

# ACDELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 12/28/2023

Revision date: 12/28/2023

Version: 2.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ACDELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ.  
Product code : 19435660

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Brake Parts Cleaner

#### 1.3. Details of the supplier of the safety data sheet

Old World Industries, LLC  
4065 Commercial Ave.  
60062, 60062  
T 847-559-2000

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                                                        |                                                                        |
|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Flammable aerosol Category 2                                           | H223 Flammable aerosol                                                 |
| Gases under pressure Compressed gas                                    | H280 Contains gas under pressure; may explode if heated                |
| Acute toxicity (oral) Category 3                                       | H301 Toxic if swallowed                                                |
| Acute toxicity (dermal) Category 3                                     | H311 Toxic in contact with skin                                        |
| Skin corrosion/irritation Category 2                                   | H315 Causes skin irritation                                            |
| Serious eye damage/eye irritation Category 2A                          | H319 Causes serious eye irritation                                     |
| Specific target organ toxicity (single exposure) Category 1            | H370 Causes damage to organs                                           |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | H336 May cause drowsiness or dizziness                                 |
| Specific target organ toxicity (repeated exposure) Category 2          | H373 May cause damage to organs through prolonged or repeated exposure |

Full text of H- and EUH-statements: see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H223 - Flammable aerosol  
H280 - Contains gas under pressure; may explode if heated  
H301+H311 - Toxic if swallowed or in contact with skin  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H370 - Causes damage to organs  
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P260 - Do not breathe dust,fumes,gas,mist,vapor spray  
P261 - Avoid breathing dust,fume,gas,mist,vapor spray  
P264 - Wash affected areas thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves,protective clothing,eye protection,face protection  
P301+P310 - If swallowed: Immediately call a poison control center, doctor,physician,  
P302+P352 - If on skin: Wash with plenty of soap and water  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P307+P311 - If exposed: Call a poison center/doctor.

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P312 - Call a POISON CONTROL CENTER, doctor, if you feel unwell.  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment: See section 4.1 on SDS  
P322 - Specific treatment (see supplemental first aid instruction on this label)  
P330 - Rinse mouth.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P410+P403 - Protect from sunlight. Store in a well-ventilated place.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

### 2.3. Other hazards

Other hazards which do not result in classification : Contains gas under pressure; may explode if heated. None under normal conditions.

### 2.4. Unknown acute toxicity (GHS US)

No data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                      | Product identifier    | %       | GHS US classification                                                                                                                 |
|-------------------------------------------|-----------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------|
| Acetone                                   | (CAS-No.) 67-64-1     | 85 – 95 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336                                                                          |
| Methanol                                  | (CAS-No.) 67-56-1     | 10 – 30 | Flam. Liq. 2, H225<br>STOT SE 1, H370                                                                                                 |
| Toluene                                   | (CAS-No.) 108-88-3    | 10 – 30 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304                                  |
| Heptane, Branched Cyclic                  | (CAS-No.) 426260-76-6 | 10 – 30 | Flam. Liq. 1, H224<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412                          |
| Carbon Dioxide, Liquefied, Under Pressure | (CAS-No.) 124-38-9    | 5 – 10  | Press. Gas (Comp.), H280                                                                                                              |
| n-Heptane                                 | (CAS-No.) 142-82-5    | < 1     | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician.

First-aid measures after inhalation : Cough. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Immediately call a poison center or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a poison center or doctor/physician. Obtain medical attention if pain, blinking or redness persists. Direct contact with the eyes is likely to be irritating.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call a poison center or doctor/physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Causes damage to organs.

Symptoms/effects after inhalation : Shortness of breath. May cause drowsiness or dizziness.

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|                                     |                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after skin contact | : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin. Causes skin irritation. |
| Symptoms/effects after eye contact  | : Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue. Causes serious eye irritation.                                  |
| Symptoms/effects after ingestion    | : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.                                                          |

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 5.2. Special hazards arising from the substance or mixture

|                  |                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| Fire hazard      | : Flammable aerosol.                                                                                              |
| Explosion hazard | : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. |

### 5.3. Advice for firefighters

|                                |                                                                                                                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                                                                                  |
| Other information              | : Aerosol Level 2.                                                                                                                                                                                                               |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

|                      |                                   |
|----------------------|-----------------------------------|
| Protective equipment | : Gloves. Safety glasses.         |
| Emergency procedures | : Evacuate unnecessary personnel. |

#### 6.1.2. For emergency responders

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection. Avoid breathing dust,fume,gas,mist,vapor spray. |
| Emergency procedures | : Ventilate area.                                                                            |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

|                         |                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Dam up the liquid spill. Plug the leak, cut off the supply. Contain released product, collect/pump into suitable containers. |
| Methods for cleaning up | : Store away from other materials.                                                                                             |

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Precautions for safe handling     | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Avoid breathing dust,fume,gas,mist,vapor spray. Use only outdoors or in a well-ventilated area. Do not breathe dust,fumes,gas,mist,vapor spray.                                                                                                                                       |
| Hygiene measures                  | : Wash contaminated clothing before reuse. Always wash hands after handling the product. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Take off immediately all contaminated clothing and wash it before reuse. Observe normal hygiene standards. Keep container tightly closed. Observe strict hygiene. Reduce/avoid exposure and/or contact. Observe very strict hygiene - avoid contact. Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after handling. |

### 7.2. Conditions for safe storage, including any incompatibilities

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Technical measures | : Proper grounding procedures to avoid static electricity should be followed. |
|--------------------|-------------------------------------------------------------------------------|

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|                        |                                                                                                                                                                                                   |
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| Storage conditions     | : Keep only in the original container in a cool, well ventilated place away from : Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Keep container tightly closed. |
| Incompatible products  | : Strong bases. Strong acids.                                                                                                                                                                     |
| Incompatible materials | : Sources of ignition. Direct sunlight. Heat sources.                                                                                                                                             |
| Storage area           | : Store in a well-ventilated place.                                                                                                                                                               |

### 7.3. Specific end use(s)

Follow Label Directions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

|                                                              |                         |
|--------------------------------------------------------------|-------------------------|
| <b>AC DELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ.</b> |                         |
| No additional information available                          |                         |
| <b>n-Heptane (142-82-5)</b>                                  |                         |
| <b>USA - ACGIH - Occupational Exposure Limits</b>            |                         |
| ACGIH OEL TWA                                                | 400 ppm                 |
| ACGIH OEL STEL                                               | 500 ppm                 |
| <b>Heptane, Branched Cyclic (426260-76-6)</b>                |                         |
| <b>USA - ACGIH - Occupational Exposure Limits</b>            |                         |
| ACGIH OEL TWA                                                | 400 ppm                 |
| ACGIH OEL STEL                                               | 500 ppm                 |
| <b>USA - OSHA - Occupational Exposure Limits</b>             |                         |
| OSHA PEL TWA                                                 | 500 ppm                 |
| <b>Carbon Dioxide, Liquefied, Under Pressure (124-38-9)</b>  |                         |
| <b>USA - ACGIH - Occupational Exposure Limits</b>            |                         |
| ACGIH OEL TWA                                                | 9000 mg/m <sup>3</sup>  |
|                                                              | 5000 ppm                |
| ACGIH OEL STEL                                               | 54000                   |
|                                                              | 30000 ppm               |
| <b>USA - OSHA - Occupational Exposure Limits</b>             |                         |
| OSHA PEL TWA                                                 | 9000 mg/m <sup>3</sup>  |
|                                                              | 5000 ppm                |
| <b>USA - NIOSH - Occupational Exposure Limits</b>            |                         |
| NIOSH REL (TWA)                                              | 9000 mg/m <sup>3</sup>  |
|                                                              | 5000 ppm                |
| NIOSH REL (Ceiling)                                          | 54000 mg/m <sup>3</sup> |
|                                                              | 30000 ppm               |
| <b>Methanol (67-56-1)</b>                                    |                         |
| <b>USA - ACGIH - Occupational Exposure Limits</b>            |                         |
| ACGIH OEL TWA                                                | 262 mg/m <sup>3</sup>   |
|                                                              | 200 ppm                 |
| ACGIH OEL STEL                                               | 328 mg/m <sup>3</sup>   |
|                                                              | 250 ppm                 |
| <b>USA - OSHA - Occupational Exposure Limits</b>             |                         |
| OSHA PEL TWA                                                 | 260 mg/m <sup>3</sup>   |
|                                                              | 200 ppm                 |
| <b>USA - NIOSH - Occupational Exposure Limits</b>            |                         |
| NIOSH REL (TWA)                                              | 260 mg/m <sup>3</sup>   |
|                                                              | 200 ppm                 |
| NIOSH REL (Ceiling)                                          | 325 mg/m <sup>3</sup>   |
|                                                              | 250 ppm                 |
| <b>Acetone (67-64-1)</b>                                     |                         |
| <b>USA - ACGIH - Occupational Exposure Limits</b>            |                         |
| ACGIH OEL TWA                                                | 1188 mg/m <sup>3</sup>  |
|                                                              | 500 ppm                 |
| ACGIH OEL STEL                                               | 1782 mg/m <sup>3</sup>  |
|                                                              | 750 ppm                 |
| <b>USA - OSHA - Occupational Exposure Limits</b>             |                         |
| OSHA PEL TWA                                                 | 2400 mg/m <sup>3</sup>  |

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|                                                   |                       |
|---------------------------------------------------|-----------------------|
|                                                   | 1000 ppm              |
| <b>USA - NIOSH - Occupational Exposure Limits</b> |                       |
| NIOSH REL (TWA)                                   | 590 mg/m <sup>3</sup> |
|                                                   | 250 ppm               |
| <b>Toluene (108-88-3)</b>                         |                       |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |                       |
| ACGIH OEL TWA                                     | 20 ppm                |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Local exhaust ventilation, vent hoods . Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Gloves. Safety glasses. Avoid all unnecessary exposure.

#### Materials for protective clothing:

Excellent resistance:

#### Hand protection:

Wear protective gloves

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

#### Personal protective equipment symbol(s):



#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                             |                                       |
|---------------------------------------------|---------------------------------------|
| Physical state                              | : Gas                                 |
| Appearance                                  | : Liquid.                             |
| Color                                       | : Colourless to light yellow.         |
| Odor                                        | : Solvent-like odour.                 |
| Odor threshold                              | : No data available                   |
| pH                                          | : No data available                   |
| Relative evaporation rate (butyl acetate=1) | : No data available                   |
| Melting point                               | : No data available                   |
| Freezing point                              | : < -78 °C (Lowest Component-Acetone) |
| Boiling point                               | : 56.1 °C (Lowest Component-Acetone)  |
| Flash point                                 | : -18 °C (Lowest Component-Acetone)   |
| Auto-ignition temperature                   | : 385 °C (Lowest Component-Acetone)   |
| Decomposition temperature                   | : No data available                   |
| Flammability                                | : No data available                   |
| Vapor pressure                              | : No data available                   |
| Relative vapor density at 20 °C             | : No data available                   |
| Relative density                            | : 0.82                                |
| Solubility                                  | : Poorly soluble in water.            |

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|                                                 |                                          |
|-------------------------------------------------|------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | : No data available                      |
| Partition coefficient n-octanol/water (Log Kow) | : No data available                      |
| Viscosity, kinematic                            | : No data available                      |
| Viscosity, dynamic                              | : No data available                      |
| Explosive properties                            | : Heating may cause a fire or explosion. |
| Oxidizing properties                            | : No data available                      |
| Explosion limits                                | : No data available                      |

### 9.2. Other information

|             |                  |
|-------------|------------------|
| VOC content | : 45 %           |
| Gas group   | : Compressed gas |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                               |
|-----------------------------|-------------------------------|
| Acute toxicity (oral)       | : Toxic if swallowed.         |
| Acute toxicity (dermal)     | : Toxic in contact with skin. |
| Acute toxicity (inhalation) | : Not classified              |

|                 |                       |
|-----------------|-----------------------|
| ATE US (oral)   | 100 mg/kg body weight |
| ATE US (dermal) | 300 mg/kg body weight |

#### n-Heptane (142-82-5)

|                       |                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat         | > 5000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Read-across, Oral, 14 day(s))            |
| LD50 dermal rabbit    | > 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 29.29 mg/l/4h (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))    |

#### Heptane, Branched Cyclic (426260-76-6)

|                       |                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat         | > 5000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Read-across, Oral, 14 day(s))            |
| LD50 dermal rabbit    | > 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 29.29 mg/l/4h (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))    |

#### Methanol (67-56-1)

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| LD50 oral rat         | ≥ 2528 mg/kg body weight application as 50% aqueous solution      |
| LD50 dermal rabbit    | 17100 mg/kg corresponding to 20 ml/kg bw according to the authors |
| LC50 Inhalation - Rat | 128.2 mg/l/4h Air                                                 |
| ATE US (dermal)       | 17100 mg/kg body weight                                           |
| ATE US (vapors)       | 128.2 mg/l/4h                                                     |
| ATE US (dust, mist)   | 128.2 mg/l/4h                                                     |

#### Acetone (67-64-1)

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| LD50 oral rat      | 5800 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)     |
| LD50 dermal rabbit | 20000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402) |

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| Acetone (67-64-1)           |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| LC50 Inhalation - Rat       | 71 mg/l/4h (Rat; Experimental value; 76 mg/l/4h; Rat; Experimental value) |
| LC50 Inhalation - Rat [ppm] | 30000 ppm/4h (Rat; Experimental value)                                    |
| ATE US (oral)               | 5800 mg/kg body weight                                                    |
| ATE US (dermal)             | 20000 mg/kg body weight                                                   |
| ATE US (gases)              | 30000 ppmV/4h                                                             |
| ATE US (vapors)             | 71 mg/l/4h                                                                |
| ATE US (dust, mist)         | 71 mg/l/4h                                                                |

| Toluene (108-88-3)    |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat         | 5580 mg/kg body weight (Equivalent or similar to EU Method B.1, Rat, Male, Experimental value, Oral, 7 day(s))       |
| LD50 dermal rabbit    | > 5000 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal)                                            |
| LC50 Inhalation - Rat | 28.1 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours)) |
| ATE US (oral)         | 5580 mg/kg body weight                                                                                               |

|                                   |                                                               |
|-----------------------------------|---------------------------------------------------------------|
| Skin corrosion/irritation         | : Causes skin irritation.                                     |
| Serious eye damage/irritation     | : Causes serious eye irritation.                              |
| Respiratory or skin sensitization | : Not classified                                              |
| Germ cell mutagenicity            | : Not classified                                              |
| Carcinogenicity                   | : Not classified                                              |
| Reproductive toxicity             | : Not classified                                              |
| STOT-single exposure              | : Causes damage to organs. May cause drowsiness or dizziness. |

| n-Heptane (142-82-5) |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

| Heptane, Branched Cyclic (426260-76-6) |                                    |
|----------------------------------------|------------------------------------|
| STOT-single exposure                   | May cause drowsiness or dizziness. |

| Methanol (67-56-1)   |                          |
|----------------------|--------------------------|
| STOT-single exposure | Causes damage to organs. |

| Acetone (67-64-1)    |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

| Toluene (108-88-3)   |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |
|------------------------|----------------------------------------------------------------------|

| Toluene (108-88-3)     |                                                                    |
|------------------------|--------------------------------------------------------------------|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

|                                                     |                                                                                                                                                                   |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aspiration hazard                                   | : Not applicable                                                                                                                                                  |
| Viscosity, kinematic                                | : No data available                                                                                                                                               |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. Toxic if swallowed. Toxic in contact with skin.                                               |
| Symptoms/effects                                    | : Causes damage to organs.                                                                                                                                        |
| Symptoms/effects after inhalation                   | : Shortness of breath. May cause drowsiness or dizziness.                                                                                                         |
| Symptoms/effects after skin contact                 | : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin. Causes skin irritation. |
| Symptoms/effects after eye contact                  | : Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue. Causes serious eye irritation.                                  |
| Symptoms/effects after ingestion                    | : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.                                                          |

## SECTION 12: Ecological information

### 12.1. Toxicity

| Carbon Dioxide, Liquefied, Under Pressure (124-38-9) |                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                                      | 35 mg/l (96 h, Salmo gairdneri, Literature study, Lethal)                                                                |
| Methanol (67-56-1)                                   |                                                                                                                          |
| LC50 - Fish [1]                                      | 15400 mg/l (EPA 660/3 - 75/009, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal) |



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| Methanol (67-56-1)                            |                                                                                                                                                          |  |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| EC50 - Crustacea [1]                          | 18260 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 96 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Locomotor effect) |  |
| Acetone (67-64-1)                             |                                                                                                                                                          |  |
| LC50 - Fish [1]                               | 6210 mg/l (96 h; Pimephales promelas; Nominal concentration)                                                                                             |  |
| EC50 - Crustacea [1]                          | 8800 mg/l (48 h; Daphnia pulex)                                                                                                                          |  |
| LC50 - Fish [2]                               | 5540 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)                                                                                                    |  |
| TLM - Fish [1]                                | 13000 ppm (96 h; Gambusia affinis; Turbulent water)                                                                                                      |  |
| TLM - Fish [2]                                | > 1000 ppm (96 h; Pisces)                                                                                                                                |  |
| Threshold limit - Other aquatic organisms [1] | 3000 mg/l (Plankton)                                                                                                                                     |  |
| Threshold limit - Other aquatic organisms [2] | 28 mg/l (Protozoa)                                                                                                                                       |  |
| Threshold limit - Algae [1]                   | 7500 mg/l (Scenedesmus quadricauda; pH = 7)                                                                                                              |  |
| Threshold limit - Algae [2]                   | 3400 mg/l (48 h; Chlorella sp.)                                                                                                                          |  |
| Toluene (108-88-3)                            |                                                                                                                                                          |  |
| LC50 - Fish [1]                               | 5.5 mg/l (96 h, Oncorhynchus kisutch, Flow-through system, Fresh water, Experimental value, Lethal)                                                      |  |

### 12.2. Persistence and degradability

| AC DELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ. |                                                                                                                                                                                          |  |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Persistence and degradability                         | Not established.                                                                                                                                                                         |  |
| n-Heptane (142-82-5)                                  |                                                                                                                                                                                          |  |
| Persistence and degradability                         | Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Low potential for adsorption in soil. Photolysis in the air. Not established.                     |  |
| Biochemical oxygen demand (BOD)                       | 1.92 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| Chemical oxygen demand (COD)                          | 0.06 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| ThOD                                                  | 3.52 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| Heptane, Branched Cyclic (426260-76-6)                |                                                                                                                                                                                          |  |
| Persistence and degradability                         | May cause long-term adverse effects in the environment.                                                                                                                                  |  |
| Carbon Dioxide, Liquefied, Under Pressure (124-38-9)  |                                                                                                                                                                                          |  |
| Persistence and degradability                         | Biodegradability: not applicable. Not established.                                                                                                                                       |  |
| Chemical oxygen demand (COD)                          | Not applicable (inorganic)                                                                                                                                                               |  |
| ThOD                                                  | Not applicable (inorganic)                                                                                                                                                               |  |
| Methanol (67-56-1)                                    |                                                                                                                                                                                          |  |
| Persistence and degradability                         | Readily biodegradable in the soil. Readily biodegradable in water. Not established.                                                                                                      |  |
| Biochemical oxygen demand (BOD)                       | 0.6 – 1.12 g O <sub>2</sub> /g substance                                                                                                                                                 |  |
| Chemical oxygen demand (COD)                          | 1.42 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| ThOD                                                  | 1.5 g O <sub>2</sub> /g substance                                                                                                                                                        |  |
| Acetone (67-64-1)                                     |                                                                                                                                                                                          |  |
| Persistence and degradability                         | Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available. Not established. |  |
| Biochemical oxygen demand (BOD)                       | 1.43 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| Chemical oxygen demand (COD)                          | 1.92 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| ThOD                                                  | 2.2 g O <sub>2</sub> /g substance                                                                                                                                                        |  |
| BOD (% of ThOD)                                       | (20 day(s)) 0.872                                                                                                                                                                        |  |
| Toluene (108-88-3)                                    |                                                                                                                                                                                          |  |
| Persistence and degradability                         | Readily biodegradable in water.                                                                                                                                                          |  |
| Biochemical oxygen demand (BOD)                       | 2.15 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| Chemical oxygen demand (COD)                          | 2.52 g O <sub>2</sub> /g substance                                                                                                                                                       |  |
| ThOD                                                  | 3.13 g O <sub>2</sub> /g substance                                                                                                                                                       |  |

### 12.3. Bioaccumulative potential

| AC DELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ. |                                                                                    |
|-------------------------------------------------------|------------------------------------------------------------------------------------|
| Bioaccumulative potential                             | Not established.                                                                   |
| n-Heptane (142-82-5)                                  |                                                                                    |
| BCF - Other aquatic organisms [1]                     | 552 (BCFBAF v3.00, Calculated value)                                               |
| Partition coefficient n-octanol/water (Log Pow)       | 4.5 (Literature)                                                                   |
| Bioaccumulative potential                             | Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ ). Not established. |
| Heptane, Branched Cyclic (426260-76-6)                |                                                                                    |
| Bioaccumulative potential                             | Not established.                                                                   |



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### Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). Not established. |
|---------------------------|-------------------------------------------------------------------|

### Methanol (67-56-1)

|                                                 |                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------|
| BCF - Fish [1]                                  | 1 – 4.5 (72 h, Cyprinus carpio, Static system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | -0.77 (Experimental value)                                                      |
| Bioaccumulative potential                       | Low potential for bioaccumulation (BCF < 500). Not established.                 |

### Acetone (67-64-1)

|                                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| BCF - Fish [1]                                  | 0.69 (Pisces)                         |
| BCF - Other aquatic organisms [1]               | 3                                     |
| Partition coefficient n-octanol/water (Log Pow) | -0.24 (Test data)                     |
| Bioaccumulative potential                       | Not bioaccumulative. Not established. |

### Toluene (108-88-3)

|                                                 |                                                                                              |
|-------------------------------------------------|----------------------------------------------------------------------------------------------|
| BCF - Fish [1]                                  | 90 (3 day(s), Leuciscus idus, Static renewal, Fresh water, Experimental value, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | 2.73 (Experimental value, 20 °C)                                                             |
| Bioaccumulative potential                       | Low potential for bioaccumulation (BCF < 500).                                               |

## 12.4. Mobility in soil

### n-Heptane (142-82-5)

|                                                            |                                                     |
|------------------------------------------------------------|-----------------------------------------------------|
| Surface tension                                            | 19.66 mN/m (25 °C)                                  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil                                             | Low potential for adsorption in soil.               |

### Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

|                |                       |
|----------------|-----------------------|
| Ecology - soil | Not applicable (gas). |
|----------------|-----------------------|

### Methanol (67-56-1)

|                                                            |                                           |
|------------------------------------------------------------|-------------------------------------------|
| Surface tension                                            | No data available in the literature       |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | -0.89 – -0.21 (log Koc, Calculated value) |
| Ecology - soil                                             | Highly mobile in soil.                    |

### Acetone (67-64-1)

|                 |                    |
|-----------------|--------------------|
| Surface tension | 0.0237 N/m (20 °C) |
|-----------------|--------------------|

### Toluene (108-88-3)

|                                                            |                                       |
|------------------------------------------------------------|---------------------------------------|
| Surface tension                                            | 27.73 mN/m (25 °C, 0.05 %)            |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.3 (log Koc, Calculated value)       |
| Ecology - soil                                             | Low potential for adsorption in soil. |

## 12.5. Other adverse effects

Effect on global warming : No known effects from this product.

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Additional information : Flammable vapors may accumulate in the container.

Ecological information : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Transport document description (DOT) : UN1950 Aerosols (Flammable, (each not exceeding 1 L capacity)), 2.1, Limited Quantity

UN-No.(DOT) : UN1950

Proper Shipping Name (DOT) : Aerosols

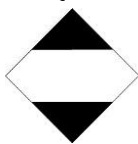
Class (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

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Hazard labels (DOT) : LTD QTY - Limited quantity



DOT Packaging Non Bulk (49 CFR 173.xxx) : None

DOT Packaging Bulk (49 CFR 173.xxx) : None

DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

DOT Packaging Exceptions (49 CFR 173.xxx) : 306

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other : 48 - Stow "away from" sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

Other information : No supplementary information available.

### Transport by sea

UN-No. (IMDG) : 1950

Proper Shipping Name (IMDG) : Aerosols, Marine Pollutant - Heptane

Class (IMDG) : 2.1 - Flammable gases

### Air transport

UN-No. (IATA) : 1950

Proper Shipping Name (IATA) : Aerosols

Class (IATA) : 2.1 - Gases : Flammable

Hazard labels (IATA) : LTD QTY - Limited Quantity



## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### AC DELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ.

|                                     |                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard<br>Fire hazard<br>Immediate (acute) health hazard<br>Sudden release of pressure hazard |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|

#### n-Heptane (142-82-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Heptane, Branched Cyclic (426260-76-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

|                                     |                                                                                   |
|-------------------------------------|-----------------------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes | Fire hazard<br>Immediate (acute) health hazard<br>Delayed (chronic) health hazard |
|-------------------------------------|-----------------------------------------------------------------------------------|

#### Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

|                                     |                                                                      |
|-------------------------------------|----------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes | Sudden release of pressure hazard<br>Immediate (acute) health hazard |
|-------------------------------------|----------------------------------------------------------------------|

#### Methanol (67-56-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

|           |         |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

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| Methanol (67-56-1)                                                                                                                               |                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| SARA Section 311/312 Hazard Classes                                                                                                              | Immediate (acute) health hazard<br>Delayed (chronic) health hazard<br>Fire hazard |
| SARA Section 313 - Emission Reporting                                                                                                            | 1 %                                                                               |
| Acetone (67-64-1)                                                                                                                                |                                                                                   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 |                                                                                   |
| SARA Section 311/312 Hazard Classes                                                                                                              | Immediate (acute) health hazard<br>Fire hazard<br>Delayed (chronic) health hazard |

### 15.2. International regulations

#### CANADA

| AC DELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ. |                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WHMIS Classification                                  | Class B Division 5 - Flammable Aerosol                                                                                                                                                                                                                                                                        |
| n-Heptane (142-82-5)                                  |                                                                                                                                                                                                                                                                                                               |
| Listed on the Canadian DSL (Domestic Substances List) |                                                                                                                                                                                                                                                                                                               |
| Heptane, Branched Cyclic (426260-76-6)                |                                                                                                                                                                                                                                                                                                               |
| Listed on the Canadian DSL (Domestic Substances List) |                                                                                                                                                                                                                                                                                                               |
| WHMIS Classification                                  | Class B Division 2 - Flammable Liquid<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects                                                                                                                                                                                        |
| Carbon Dioxide, Liquefied, Under Pressure (124-38-9)  |                                                                                                                                                                                                                                                                                                               |
| Listed on the Canadian DSL (Domestic Substances List) |                                                                                                                                                                                                                                                                                                               |
| Methanol (67-56-1)                                    |                                                                                                                                                                                                                                                                                                               |
| Listed on the Canadian DSL (Domestic Substances List) |                                                                                                                                                                                                                                                                                                               |
| WHMIS Classification                                  | Class B Division 2 - Flammable Liquid<br>Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
| Acetone (67-64-1)                                     |                                                                                                                                                                                                                                                                                                               |
| Listed on the Canadian DSL (Domestic Substances List) |                                                                                                                                                                                                                                                                                                               |
| WHMIS Classification                                  | Class B Division 2 - Flammable Liquid<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects                                                                                                                                                                                        |

#### EU-Regulations

| Heptane, Branched Cyclic (426260-76-6)                                                                                                                                                                                                                                                         |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Carbon Dioxide, Liquefied, Under Pressure (124-38-9)                                                                                                                                                                                                                                           |  |
| Methanol (67-56-1)                                                                                                                                                                                                                                                                             |  |
| Acetone (67-64-1)                                                                                                                                                                                                                                                                              |  |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)- Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)<br>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |  |

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

##### 15.2.2. National regulations

| Heptane, Branched Cyclic (426260-76-6)                                                                                                                                                                                                                                                                                                                                                   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Carbon Dioxide, Liquefied, Under Pressure (124-38-9)                                                                                                                                                                                                                                                                                                                                     |  |
| Methanol (67-56-1)                                                                                                                                                                                                                                                                                                                                                                       |  |
| Listed on EPA Hazardous Air Pollutant (HAPS)                                                                                                                                                                                                                                                                                                                                             |  |
| Acetone (67-64-1)                                                                                                                                                                                                                                                                                                                                                                        |  |
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |  |

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### 15.3. US State regulations

| AC DELCO NON-CHLORINATED BRAKE CLEANER 45% VOC 14 OZ.()             |                                    |
|---------------------------------------------------------------------|------------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List               | Yes                                |
| U.S. - California - Proposition 65 - Developmental Toxicity         | Yes                                |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No                                 |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male   | Yes                                |
| State or local regulations                                          | U.S. - California - Proposition 65 |

| n-Heptane (142-82-5)                                  |                                                             |                                                                     |                                                                   |                                  |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No                                                    | No                                                          | No                                                                  | No                                                                |                                  |

| Heptane, Branched Cyclic (426260-76-6)                |                                                             |                                                                     |                                                                   |                                  |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No                                                    | No                                                          | No                                                                  | No                                                                |                                  |

| Carbon Dioxide, Liquefied, Under Pressure (124-38-9)  |                                                             |                                                                     |                                                                   |                                  |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No                                                    | No                                                          | No                                                                  | No                                                                |                                  |

| Methanol (67-56-1)                                    |                                                             |                                                                     |                                                                   |                                  |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No                                                    | Yes                                                         | No                                                                  | No                                                                |                                  |

| Acetone (67-64-1)                                     |                                                             |                                                                     |                                                                   |                                  |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes                                                   | Yes                                                         | No                                                                  | Yes                                                               |                                  |

| Toluene (108-88-3)                                    |                                                             |                                                                     |                                                                   |                                  |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No                                                    | No                                                          | No                                                                  | No                                                                |                                  |

| n-Heptane (142-82-5)                                                                                                                                                                                                                                                                                                    |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| State or local regulations                                                                                                                                                                                                                                                                                              |  |  |  |  |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - New York City - Right to Know Hazardous Substances List<br>U.S. - Pennsylvania - RTK (Right to Know) List |  |  |  |  |

| Carbon Dioxide, Liquefied, Under Pressure (124-38-9)                                                                                                                                                                        |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| State or local regulations                                                                                                                                                                                                  |  |  |  |  |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - New York City - Right to Know Hazardous Substances List<br>U.S. - Pennsylvania - RTK (Right to Know) List |  |  |  |  |

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### Methanol (67-56-1)

#### State or local regulations

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  
U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York City - Right to Know Hazardous Substances List

### Acetone (67-64-1)

#### State or local regulations

U.S. - California - Proposition 65  
U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Other information : None.

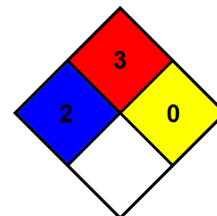
Full text of H-phrases:

|      |                                                                   |
|------|-------------------------------------------------------------------|
| H223 | Flammable aerosol                                                 |
| H224 | Extremely flammable liquid and vapor                              |
| H225 | Highly flammable liquid and vapor                                 |
| H280 | Contains gas under pressure; may explode if heated                |
| H301 | Toxic if swallowed                                                |
| H304 | May be fatal if swallowed and enters airways                      |
| H311 | Toxic in contact with skin                                        |
| H315 | Causes skin irritation                                            |
| H319 | Causes serious eye irritation                                     |
| H336 | May cause drowsiness or dizziness                                 |
| H370 | Causes damage to organs                                           |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life                                        |
| H410 | Very toxic to aquatic life with long lasting effects              |
| H412 | Harmful to aquatic life with long lasting effects                 |

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 3 Serious Hazard

Physical : 1 Slight Hazard

Personal protection : B

The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.