SDS – Plasma Guard STV®

(Anti-Rust Solution)

The Plasma Guard STV® is the ideal product to protect your STV®CNC Plasma Table's water pans, slats and the materials you cut. When concentration levels are maintained correctly, the anti-rust solution prevents rust and debris while offering a cooling process that lessens warping of materials and the presence of fumes in your workshop. Click here to purchase.

SAFETY DATA SHEET

Date Issued : 09/24/2021
PICO ID: F007671

Plasma Guard STV®

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT TRADE NAME: Plasma Guard STV®
GENERAL CLASSIFICATION: Water based coolant and conditioner concentrate

PICO Chemical Corporation
400 E. 16th Street
Chicago Heights, IL 60411
Telephone: 708-757-4910
Fax: 708-757-4940
Website: www.picochemical.com

NFPA

HMIS

2. HAZARDS IDENTIFICATION

GHS Classification of Mixture - OSHA/HCS Status

EYE IRRITANT - Category 2B

No Pictogram	**SIGNAL WORD** Warning	**HAZARD STATEMENT** Causes eye irritation

Precaution Statements:

Wash face, hands and any exposed skin thoroughly after handling.
Observe good hygiene practices daily.

Response Precaution Statements:

Eye Contact: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/ attention.

Skin Contact: If on skin, wash with plenty of soap and water.

Ingestion: If swallowed, rinse mouth. Do NOT induce vomiting.

Inhalation: If exposed or concerned, get medical advice/ attention.

3. COMPOSITION / IDENTITY INFORMATION

Chemical	**CAS No.**	**Percent**
Triethanol Borate	283-56-7	3 - 8%

The exact composition and percentages of materials present in this product are proprietary trade secrets and are withheld as provided for by OSHA Hazard Communication Rule 29 CFR 1910.1200.

4. FIRST AID MEASURES

Eye Contact:

Immediately flush the eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If redness or irritation persists, seek medical attention.

Skin Contact:

Thoroughly wash with soap and water. Launder contaminated clothing before reuse.

Ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention if feeling unwell.

SAFETY DATA SHEET

Date Issued : 09/24/2021
PICO ID: F007671

Plasma Guard STV®

Inhalation:
Remove the exposed person to fresh air. If breathing is difficult, seek medical attention immediately.
First Aid Notes to Physician:
No additional information is available.

5. FIRE FIGHTING MEASURES

Flash Point: None
Method Used: Not applicable
Flammability Classification: Non-flammable
LEL: Not applicable
UEL: Not applicable

Fire & Explosion Hazards:
None expected.
Decomposition Products:
Upon decomposition, this product may emit oxides of carbon, nitrogen, and other organic vapors.
Extinguishing Media:
Use dry chemical, foam, carbon dioxide, and/or water fog.
Special Fire-Fighting Procedure:
None.

6. ACCIDENTAL RELEASE MEASURES

Stop the flow of material, if this can be done without risk. Dike and prevent material from entering drains, sewers, or waterways. Absorb with dry/inert absorbent material, and transfer into recovery drum for disposal. Dispose of in accordance with local, state, and federal regulations.

7. HANDLING AND STORAGE

Handling:
Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes. Use with adequate ventilation. Follow all SOS/label precautions. Observe good hygiene practices daily.
Storage:
Keep container closed when not in use. Store in a dry, well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:
A. General Product Information
Follow all applicable exposure limits.
B. Component Exposure Limits
No information is available for the product.

Engineering Controls:
Provide ventilation.

PERSONAL PROTECTIVE EQUIPMENT
Eyes/Face Protective Equipment:
Wear appropriate eye protection to prevent eye contact.
Skin Protection:
Wear appropriate personal protective clothing to prevent prolonged or repeated skin contact, when necessary. The worker should practice good personal hygiene daily.

SAFETY DATA SHEET

Date Issued : 09/24/2021
PICO ID: F007671

Plasma Guard STV®

Respiratory Protection:
If ventilation is not sufficient to effectively prevent build-up of mists or vapors, appropriate NIOSH/MSHA respiratory protection is required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	**Appearance:**	Clear Blue
Odor:	Mild	**Vapor Pressure:**	18 mm Hg @68˚F (20˚C)
Vapor Density:	ND (air = 1)	**Boiling Point:**	212˚F (100˚C)
Weight/Gallon:	8.51 lbs. / gal. @ 77˚F (25˚C)	**pH (as is):**	9.0 pH
Viscosity:	ND	**VOC:**	0.064 lbs. / gal.
Solubility in Water:	Complete	**Evaporation Rate:**	0.40 (butyl acetate = 1)
Percent Volatile:	ND	**Percent Solids:**	ND

10. STABILITY AND REACTIVITY INFORMATION

Chemical Stability:
Stable under normal conditions.
Conditions to Avoid:
Avoid freezing.
Incompatibility:
Do not expose this product to excessive strong oxidizers.
Decomposition Products:
Upon decomposition, this product may emit oxides of carbon, nitrogen, and other organic vapors.
Hazardous Polymerization:
Will not occur.

11. TOXICOLOGY INFORMATION

Acute Toxicity:
A. General Product Information:
No information is available for the product.
B. Component Analysis - LD50/LC50:
No information is available for the product.

Carcinogenicity:
A. General Product Information:
No information is available for the product.
B. Component Carcinogenicity:
None of this product's components is on IARC or NTP lists.

Other Toxicological Information:
No information is available for the product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:
A. General Product Information
No data is available for this product.
B. Component Analysis - Ecotoxicity -Aquatic Toxicity
No data is available for this product.

Environmental Fate:
No data is available for this product.

SAFETY DATA SHEET

Date Issued : 09/24/2021
PICO ID: F007671

Plasma Guard STV®

13. DISPOSAL CONSIDERATIONS

U.S. EPA Waste Numbers & Descriptions - General Product Information:
Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous wastes.

Component Waste Numbers:
No data is available for this product.

Disposal Instructions:
Dispose of waste material according to local, state, federal, and provincial environmental regulations.

14. TRANSPORTATION INFORMATION

U. S. DOT Information:
Not regulated.

15. REGULARITY INFORMATION

U. S. Federal Regulations

A. General Product Information
No additional information is available.

B. Component Analysis
This material contains no chemicals requiring identification under
SARA Section 302 (40 CFR 355 Appendix A),
SARA Section 313 (40 CFR 372.65) and/or
CERCLA (40 CFR 302.4).

SARA 311/312: **Acute:** Yes **Chronic:** No **Fire:** No **Pressure:** No **Reactive:** No

U. S. State Regulations

A. General Product Information
No information is available.

B. Component Analysis - State
No information is available.

Other Regulations

A. General Product Information
All components are on the U.S. EPA TSCA Inventory List.

B. Component Analysis - Inventory
No information is available.

C. Component Analysis - WHMIS IDL
No information is available.

SAFETY DATA SHEET

Date Issued : 09/24/2021
PICO ID: F007671

Plasma Guard STV®

16. OTHER INFORMATION

Date Prepared: 24 September 2021
Supersedes Date: NEW

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0 Other:
Hazard Scale: 0= Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 Personal Protection:
Hazard Scale: 0= Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Key / Legend:

ACGIH = American Conference of Governmental Industrial Hygienists	**NFPA = National Fire Protection Association**
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act	**NIOSH = National Institute for Occupational Safety and Health**
EPA = Environmental Protection Agency	**NTP = National Toxicology Program**
HMIS = Hazardous Material Identification System	**OSHA = Occupational Safety and Health Administration**
IARC = International Agency for Research on Cancer	**SARA = Superfund Amendments and Reauthorization Act**
MSHA = Mine Safety and Health Administration	**TSCA = Toxic Substance Control Act**
TWA= Time Weighted Average	**STEL = Short Term Exposure Limit**
TCC = Tag Closed Cup	**PMCC = Pensky Martin Closed Cup**
TOC = Tag Open Cup	**DOT = Department of Transportation**
ND= Not Determined	**NA or N/A = Not Available**
LEL = Lower Explosion Limit	**UEL = Upper Explosion Limit**

FOR INDUSTRIAL USE ONLY

****

Although the information set forth herein is presented in good faith and believed to be correct as of the date hereof, PICO offers no representations as to the completeness or accuracy thereof. The persons receiving same will make their own determination as to its suitability for their purposes prior to use. PICO will not be responsible for damages of any nature whatsoever resulting from use or reliance upon said information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION HEREIN REFERS.

STVCNC | Plasma Guard STV® Dilution Ratio

stvcnc.com

Below is a balanced mixture of Anti-Rust Solution & Water along with recommended safety & maintenance instructions. Important: Please read the Safety Data Sheet at stvcnc.com/plasmaguardstv

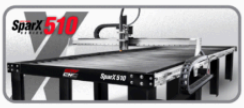
2' x 4' Plasma Table
1.1 Gallons (169 oz.) of Plasma Guard STV®
& fill the rest with water up to the slats

4' x 4' Plasma Table
2.2 Gallons (338 oz.) of Plasma Guard STV®
& fill the rest with water up to the slats

5' x 5' Plasma Table
3.5 Gallons (538 oz.) of Plasma Guard STV®
& fill the rest with water up to the slats

4' x 8' Plasma Table
4.3 Gallons (661 oz.) of Plasma Guard STV®
& fill the rest with water up to the slats

5' x 10' Plasma Table
7 Gallons (1076 oz.) of Plasma Guard STV®
& fill the rest with water up to the slats



6' x 12' Plasma Table
8.5 Gallons (1306 oz.) of Plasma Guard STV®
& fill the rest with water up to the slats

BENEFITS
(with proper concentration levels)

+ Prevents Rust & Corrosion
+ Noise Suppressant & Arc Glare Reduction
+ Quickens Time for Material Handling
+ Material Anti-Rust Treatment
+ Prevents Material Warpage & Distortion
+ Prevents Odors, Insects & Bacteria Growth
+ Non-Volatile Organic Compound
+ Reduction of Fumes & Inhalation
+ Anti-Microbial Solution
+ Prevents Flash Rusting
+ Non-Staining
+ UV Light ARC-SAFE Additive Solution
+ Doesn't interfere with finishing operations
+ Long-term use with comprehensive coverage

IMPORTANT: The above benefits are achievable when the proper concentration levels in your plasma table are maintained & checked periodically. It is important to know that in your work environment, SAFETY is priority. Take the necessary precautions for PPE (Personal Protective Equipment) for yourself and those in your working environment.

Find the Safety Data Sheet at: stvcnc.com/plasmaguardstv

STV®CNC is America's Best Choice for CNC Tables. Factory-Direct Prices, Trust & Customer Support.

6160 N. Hollywood Blvd. #110,

Las Vegas, Nevada, USA 89115 MAP

Call us 1-855-974-4413 (M - F 8am-4:30pm PST)

STV®CNC Automation Solutions. All Rights Reserved. Made in USA.

Terms and Conditions

Disclaimer

Privacy Policy

Acceptable Use Policy

Cookie Policy

Shipping Policy

Return Policy