

PRECISION SURFACES INTERNATIONAL, INC.

922 Ashland Houston, TX 77008-6734

713-426-2220 Fax: 713-426-2223

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Coolant/Rust Inhibitor for Ferrous Material
Product Identifier: PSI-166-1
PSI-166-4
Supplier: Precision Surfaces International, Inc.
922 Ashland, Houston, TX 77008-6734
Emergency Telephone: Infotrac 800-535-5053
Recommended Use: Metalworking fluid

SECTION 2: Hazard(s) Identification

Hazard classification

Not classified

Label elements

Hazard Symbol No symbol
Signal Word No signal word
Hazard Statement Not applicable
Precautionary Statement Not applicable

Other hazards which do not result in GHS classification

None

SECTION 3: Composition/Information on Ingredients

Ingredient	C.A.S. No.	% by Weight
Triethanolamine	102-71-6	5 – 10%
Oxyalkylene polymer	Confidential	1 – 5%

Specific chemical identities and/or exact percentages have been withheld as trade secrets.

SECTION 4: First-aid Measures

Description of first aid measures

Inhalation

Move to fresh air. Call a Poison Center or doctor if you feel unwell.

Skin contact

Remove contaminated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact

Flush thoroughly with water. If irritation occurs, get medical assistance. Continue to rinse for at least 15 minutes.

Ingestion

Rinse mouth thoroughly. Call a Poison Center or doctor if you feel unwell. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment required

Get medical attention as appropriate or if symptoms persist.

SECTION 5: Fire-fighting Measures

General fire hazards

No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Water spray, fog CO2, dry chemical, or regular foam. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the chemical

Heat may cause the containers to explode. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special firefighting procedures	No data available.
Special protective equipment for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ensure adequate ventilation.

Methods and materials for containment and clean up

Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk.

Environmental precautions

Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

SECTION 7: Handling and Storage

Precautions for safe handling

End-users should follow industry best practices for handling and using this product.

Guidance may be found using the current version of ASTM Standard E1497-05: Standard Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids Contains amines. Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Observe good industrial hygiene practices. Wear

appropriate personal protective equipment. Do not expose to intense heat as product may expand and pressurize container.

Conditions for safe storage including any incompatibilities

Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.

SECTION 8: Exposure Controls/Personal Protection

Exposure limits

Ingredient	Type	Exposure Limit Values	Source
Triethanolamine	TWA	5 mg/m ³	US. ACGIH Threshold Limit Values (03 2012)

Protective measures

Use personal protective equipment as required.

Eye protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Respiratory protection

In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

SECTION 9: Physical and Chemical Properties

Physical State:	Liquid
Form:	No data available
Color:	Dark blue
Odor:	Characteristic
Odor Threshold:	No data available
pH:	9.3
Melting Point/Freezing Point:	No data available
Initial Boiling Point and Boiling Range:	No data available
Flash Point:	Not applicable
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Flammable Limits (LEL):	No data available
Flammable Limits (UEL):	No data available
Explosive limit – upper (%):	No data available
Explosive limit – lower (%):	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	1.05

Solubility in Water:	Soluble
Solubility (other):	No data available
Partition coefficient (n-octanol/water):	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	> 2mm ² /s (40°C)
VOC:	4.84 g/l (ASTM E 1868-10)

SECTION 10: Stability and Reactivity

Reactivity

Not reactive during normal use.

Chemical Stability

Material is stable under normal conditions.

Conditions to avoid

Avoid heat or contamination.

Possibility of hazardous reactions

None under normal conditions.

Incompatibility

No data available.

Hazardous Decomposition Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological Information

Information on likely routes of exposure

Inhalation

Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

Skin Contact

Prolonged skin contact may cause redness and irritation.

Eye Contact

Eye contact is possible and should be avoided.

Ingestion

May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation

No data available.

Skin Contact

No data available.

Eye Contact

No data available.

Ingestion

No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix (): >5000 mg/kg
Dermal Product:	ATEmix (): >5000 mg/kg
Inhalation Product:	Not classified for acute toxicity based on available data
Repeated dose toxicity Product:	No data available
Skin Corrosion/Irritation Product:	No data available
Serious Eye Damage/Eye Irritation Product:	No data available
Respiratory or Skin Sensitization Product:	No data available
Carcinogenicity Product:	No data available
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:	No carcinogenic components identified
US. National Toxicology Program (NTP) Report on Carcinogens:	No carcinogenic components identified
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	No carcinogenic components identified
Germ Cell Mutagenicity	
In Vitro Product:	No data available
In Vivo Product:	No data available
Reproductive Toxicity Product:	No data available
Specific Target Organ Toxicity – Single Exposure Product:	No data available
Specific Target Organ Toxicity – Repeated Exposure Product:	No data available
Aspiration Hazard Product:	No data available
Other effects:	No data available

SECTION 12: Ecological Information

This product has not been evaluated for ecological toxicity or other environmental effects.

SECTION 13: Disposal Considerations

Disposal instructions

Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport Information

This material is not regulated by DOT, IMDG, or IATA.

SECTION 15: Regulatory Information

US Federal Regulations

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

None

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

SECTION 16: Other Information

The above information and recommendation are believed to be accurate and reliable. However, no warranty, either expressed or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. The manufacturer or supplier shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.

Manufacturer Issue Date: 01/17/17

Supplier Review Date: 03/21/17