SAFETY DATA SHEET (SDS)

1 - IDENTIFICATION

ADDITIVE SUPER SG

Chemical family: Triazine & Sodium Pyrithione

Recommended use: Tankside Coolant Additive

Tower Metalworking Fluids
4300 South Tripp Ave.
Chicago, IL 60632

Information telephone #: (773) 927-6161 (7:30 AM to 4 PM, CST, Monday to Friday)
24 Hr. emergency telephone #: CHEMTREC: (800) 424-9300

2 - HAZARDS IDENTIFICATION

Classification of chemical:
This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Signal word: WARNING

Hazard Pictogram:

Hazard statement:

H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statement:

Prevention

P261	Avoid breathing mist/vapors/spray.
P264	Wash contact area thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in well-ventilated areas.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear chemical resistant gloves, goggles and face shield.

Response

P301 + P312	IF SWALLOWED: Call a doctor if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of water and mild soap.
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.
P312	Call a doctor if you feel unwell.
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Disposal

P501	Dispose of contents/ containers in accordance with federal, state and local regulations.

3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical name	CAS #	Concentration
pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	3.0 – 9.0%
1,3,5-triazine-1,3,5(2h,4h,6h)-triethanol	4719-04-04	62.0 – 72.0%

4 - FIRST-AID MEASURES

Description of first aid measures:

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Supply oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Call a physician or poison control center immediately.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center.

Skin: Remove contaminated clothing immediately and wash skin with soap and water. Call a POISON CENTER or physician if you feel unwell. Wash contaminated clothing before reuse.

Eye: Immediately flush with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists consult a specialist.

Note to physician: If the product is ingested, probably mucosal damage may contraindicate the use of gastric lavage. Treat affected person appropriately.

Symptoms and effects, both acute and delayed:

Acute: Fatal if inhaled. Harmful if swallowed. Harmful in contact with skin. May cause an allergic skin reaction.

Chronic: May cause sensitization by skin contact.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable: Non-flammable, If water is heated off, use water fog, foam, dry chemical powder, carbon dioxide (CO_2).
Unsuitable: Do not use straight streams of water, as this will spread the fire.

Specific hazards and combustion products: Thermal decomposition can lead to the release of hazardous gases.

Special protective equipment and precautions for fire-fighters: If near fire, cool exposed containers with cold water to prevent rupture. Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: All persons dealing with the spill should wear appropriate personal protective equipment. Keep unnecessary personnel away from spill. Restrict access to area until the spill has been cleaned up. Do not breathe vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Contact local authorities if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Ventilate the contaminated area. Extinguish all flames in the vicinity. Wear appropriate protective equipment and clothing during clean-up. Should not be released into the environment. Contain spill and transfer to suitable containers or soak up in absorbent medium such as vermiculite, sand or earth. Prevent product from entering drains. If spill enters sewer, notify proper authorities.

7 - HANDLING AND STORAGE

Precautions for safe handling: Do not handle, store or open near an open flame, sources of heat or sources of ignition. Do not breathe vapor. Do not taste or swallow. Wear proper personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly before meals and at end of work periods. Launder or dry-clean soiled clothing before reuse. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Do not empty into drains.

Conditions for safe storage: CAUTION Store locked up. Keep containers tightly closed when not in use. Protect from freezing temperatures. Keep away from heat, sparks and open flame. Store in well ventilated place. Store away from incompatible materials.

Incompatible materials: Strong oxidizing agents. Strong acids.

8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits: No exposure standards have been established for this material.
Engineering controls: Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures and personal protective equipment: Splash goggles, face shield, chemical resistant gloves, full-face respirator if needed, impervious apron if skin exposure is likely to be prolonged. If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber liquid
Odor:	Ammoniacal
Odor threshold:	Data currently unavailable
Product pH:	10.0 – 11.0
Freezing point:	32ºF
Boiling point:	212ºF (100ºC)
Flash point:	>201ºF (>93.9ºC)
Evaporation rate:	Information not available.
Flammability:	Non-flammable
Upper/lower flammability limits:	Information not available.
Vapor pressure:	Information not available.
Vapor density:	< 1 (Air = 1)
Relative density:	1.17 (Water = 1)

Solubility: Miscible in water.
Partition coefficient (n-octanol/water): Information not available.
Auto-ignition temperature: Information not available.
Decomposition temperature: Information not available.
Viscosity: Information not available.
Percent volatile by volume: 20 -30% (Contains no VOC's)

10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Heat, flames and sparks. Avoid temperatures exceeding the flash point. Strong oxidizing agents.

Incompatible materials: Strong oxidizing agents. Strong acids.

Hazardous decomposition products: May release formaldehyde and other irritating gases. As with any organic material, irritating gases, and other oxides of carbon may be released during incomplete combustion.

11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Yes
Ingestion: Yes
Skin: Yes
Eye: Yes

Potential symptoms of exposure:

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion: May be harmful if swallowed
Skin: Harmful in contact with skin. May cause an allergic skin reaction.
Eye: Moderately irritating to the eyes. Can cause severe eye irritation.

Toxicological data: No data available.

NTP, IARC or OSHA carcinogen: None of the constituents of this product have been identified as possible or proven carcinogens by NTP, IARC, or OSHA.

12 - ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life.

Persistence and degradability: Data not available.

Bioaccumulative potential: Data not available.

Mobility in soil: Data not available.

Other adverse effects: None known.

13 - DISPOSAL CONSIDERATIONS

Waste disposal method: Dispose of in accordance with federal, state and local regulations.

14 - TRANSPORT INFORMATION

Proper shipping name: Toxic liquids, Organic, N.O.S. (Hexahydro 1,3,5- Tris(2-Hydroxyethyl)-S-Triazine)
Class / Division: 6.1
Identification number: UN 2810
Packing group: II
ERG Number : 153

15 - REGULATORY INFORMATION

Sara III (Superfund Amendment and Reauthorization Act of 1986) 40 CFR Part 372 and 40 CFR Part 355

Sections 302, 304 and 40 CFR Part 355 – Extremely Hazardous Substances:

Component	%	RQ (lbs.)	TPQ (lbs.)	CAS#
NONE	–	–	–	–

Sections 311, 312 and 40 CFR Part 355 – Hazard Categories:

ACCUTE(IMMEDIATE HEALTH HAZARD):	YES	**FIRE HAZARD:**	YES
CHRONIC (DELATED HEALTH HAZARD):	YES	**REACTIVE HAZARD:**	NO
SUDDEN PRESSURE RELEASE:	NO		

Sections 313 and 40 CFR Part 372 – Toxic Chemicals:

Component	%	CAS#
NONE	–	–

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

Section 102 and 40 CFR Part 302 – Hazardous Substances:

Component	%	RQ (lbs.)	CAS#
NONE	–	–	–

CLEAN WATER ACT

Under section 311 (b) (4) of this act, contamination of surface waters by petroleum products must be reported immediately to the National Response Center. SECTION 311 (b) (4) DOES NOT APPLY TO ADDITIVE SUPER SG

California Proposition 65: None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All components of this formula are listed in the TSCA inventory.

16 - OTHER INFORMATION

Preparation Date: May 6, 2015

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