



## SAFETY DATA SHEET (SDS)

### 1 - IDENTIFICATION

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#### ADDITIVE G

**Chemical family:** Triazine

**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

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### 2 - HAZARDS IDENTIFICATION

**OSHA/HCS Status:** This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012)

**Classification of chemical/mixture:**

- Acute toxicity, oral: Category 4
- Acute toxicity, dermal: Category 4
- Skin corrosion/irritation: Category 2
- Sensitization, skin: Category 1
- Serious eye damage/eye irritation: Category 2
- Acute toxicity, inhalation: Category 4

**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.

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**3 - COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical name	CAS #	Concentration
1,3,5-Triazine-1,3,5(2H,4H,6H)-trioethanol	4719-04-04	78.5%

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**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 develops and 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:** Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. May cause redness and pain.

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**5 - FIRE-FIGHTING MEASURES**

**Extinguishing media:**

- Suitable: Water fog, foam, dry chemical powder, carbon dioxide (CO<sub>2</sub>).
- 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. Move containers from fire area if you can do so without risk.

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## 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.

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## 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:** Store locked up. Store in original 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.

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## 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.

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## 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber liquid

**Odor:** Not available

**Odor threshold:** Data currently unavailable

**Product pH:** 10.0 – 11.0

**Freezing point:** 32°F

**Boiling point:** 212°F (100°C)

**Flash point:** >201°F (>93.9°C)

**Evaporation rate:** Information not available.

**Flammability:** Information not available.

**Upper/lower flammability limits:** Information not available.

**Vapor pressure:** Information not available.

**Vapor density:** < 1 (Air = 1)

**Relative density:** 1.15 (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.

## 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:** 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: Not likely, due to the form of the product.

Ingestion: Harmful if swallowed.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Eye: causes serious eye irritation.

### Toxicological data:

**Acute Toxicity:** Harmful if swallowed, in contact with skin or if inhaled. May cause an allergic skin reaction.

**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.

**Contaminated packaging:** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 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	–	–	–	–

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

<b>ACCUTE(IMMEDIATE HEALTH HAZARD):</b>	YES	<b>FIRE HAZARD:</b>	NO
<b>CHRONIC (DELATED HEALTH HAZARD):</b>	NO	<b>REACTIVE HAZARD:</b>	NO
<b>SUDDEN PRESSURE RELEASE:</b>	NO		

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Sections 313 and 40 CFR Part 372 – Toxic Chemicals:

<b>Component</b>	<b>%</b>	<b>CAS#</b>
NONE	–	–

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**CERCLA** (Comprehensive Environmental Response, Compensation and Liability Act)

Section 102 and 40 CFR Part 302 – Hazardous Substances:

<b>Component</b>	<b>%</b>	<b>RQ (lbs.)</b>	<b>CAS#</b>
NONE	–	–	–

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**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 G

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

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**16 - OTHER INFORMATION**

**Preparation Date:** July 21, 2015

**Revision Date:** June 2, 2017

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*The information appearing in this document is based upon data obtained from raw material manufacturers and/or recognized technical sources. While this information is believed to be correct, TOWER METALWORKING FLUIDS makes no representations as to its accuracy or sufficiency, usage, or the hazards connected with the use of this material. Since this product may be applied under conditions unfamiliar to us or beyond our control, we claim no responsibility for the results of its use, and users are responsible for the verification of this information under their own operation conditions to determine whether the product is suitable for their particular purposes, and these users assume all risks of their use, handling, and disposal of the product. This information relates only to the product designated above and does not relate to its use in combination with any other material in any other process.*

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