



## SAFETY DATA SHEET (SDS)

### 1 - IDENTIFICATION

---

#### ADDITIVE 165

**Chemical family:** Water soluble organic salt mixture

**Recommended use:** 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).

Acute Toxicity (oral):	Category 4
Acute Tox. (inhalation):	Category 4
Serious eye irritation:	Category 2A

**Signal word:** WARNING

#### Hazard Pictogram:



#### Hazard statement:

H302 + H332	Harmful if swallowed or if inhaled
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.
P280	Wear chemical resistant gloves, goggles and face shield.

**Response**

P301 + P312	IF SWALLOWED: Call a doctor if you feel unwell.
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.

**Disposal**

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

---

**3 - COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical name	CAS #	Concentration
1,2-Ethanediamine, N, N,N',N'-tetramethyl-, polymer with 1,1'-oxybis(2-chloroethane)	31075-24-8	60%

---

**4 - FIRST-AID MEASURES****Description of first aid measures:**

- Inhalation:** If exposure by inhalation is expected, immediately move exposed individual to fresh air. Seek immediate medical attention if breathing difficulty develops. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Ingestion:** Do NOT induce vomiting. Rinse mouth with copious amount of water or milk. Get medical attention.
- Skin:** Wash with warm water and mild soap. Remove contaminated clothing and wash thoroughly before reuse. Seek medical attention if irritation develops or persists..
- Eye:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if present and easy to do. Continue to rinse for at least 20 minutes. Get medical attention if irritation develops or persists.

**Symptoms and effects, both acute and delayed:**

- Acute:** Possible skin and eye irritant. Harmful if inhaled. Harmful if swallowed.
- Chronic:** No data available.

---

**5 - FIRE-FIGHTING MEASURES****Extinguishing media:**

- Suitable:** Non-flammable. Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable:** None

**Specific hazards and combustion products:** Products may include toxic gases when water content has evaporated and residue is exposed to combustion. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Special protective equipment and precautions for fire-fighters:** Use Carbon Dioxide Extinguisher (suitable for class B and C fires) or Multi-Purpose Dry Chemical Extinguisher (suitable for class A, B and C fires).

---

## 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** All persons dealing with the spill should wear appropriate personal protective equipment. Keep others away from spill. Restrict access to area until the spill has been cleaned up. Avoid breathing vapor or mist. Provide adequate ventilation.

**Methods and materials for containment and cleaning up:** Contain spill and transfer to suitable containers or soak up in absorbent medium. Prevent entry into sewers, water courses, basements or confined areas. If spill enters sewer, notify proper authorities.

---

## 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Wear proper personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Conditions for safe storage:** Keep containers closed when not in use. Protect from freezing temperatures. Avoid heating above 120°F for prolonged periods of time. Store in original container.

**Incompatible materials:** Strong oxidizing materials.

---

## 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Exposure limits:** No exposure standards have been established for this material.

**Engineering controls:** Use adequate ventilation to keep minimize exposure to mists/vapors.

**Individual protection measures and personal protective equipment:** Splash goggles, face shield, chemical resistant gloves. Use impervious apron if skin exposure is likely to be prolonged.

---

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Golden yellow liquid

**Odor:** Mild

**Odor threshold:** Data currently unavailable

**Product pH:** 6 - 8

**Freezing point:** <32°F

**Boiling point:** >212°F

**Flash point:** Closed cup: >212°F

**Evaporation rate:** Information not available

**Flammability:** Information not available

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

**Vapor pressure:** Information not available

**Vapor density:** Information not available

**Relative density:** 1.13 (Water = 1)

**Solubility:** Soluble in water.

**Partition coefficient (n-octanol/water):** Information not available.

**Auto-ignition temperature:** Information not available.

**Decomposition temperature:** Information not available.

**Viscosity:** Room temperature: 125 cP

**Percent volatile by volume:** 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:** Strong oxidizing agents.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Material does not decompose at ambient temperatures.

---

## 11 - TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Inhalation: LC50 (Dusts and mists ) Rat 2.9 mg/L (4 hrs)

Ingestion: LD50 Oral (Rat-Male) 1951 mg/kg

Skin: Mild irritant (Rabbit)

Eye: Moderate irritant (Rabbit)

### Potential symptoms of exposure:

Inhalation: Harmful if inhaled.

Ingestion: Harmful if swallowed.

Skin: Possible irritation.

Eye: Possible 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:** Has the potential to cause serious risk of hazardous effects to the environment.

**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

**DOT Shipping:** Not regulated by the U.S. Department of Transportation as a hazardous material.

---

## 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:

<b>ACUTE(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		

---

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 165

---

**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:** June 11, 2015

**Revision Date:** June 12, 2017

---

*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.*