



SAFETY DATA SHEET (SDS)

1 - IDENTIFICATION

ANTI-FOAM 29

Chemical family: Polymer Dispersion

Recommended use: Anti-foaming agent (defoamer)

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:

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation.

Precautionary statement:

Material Name: ANTI-FOAM 29
Revision Date: June 2, 2017

Prevention

P261 Avoid breathing mist/vapors/spray.
 P264 Wash contact area thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear chemical resistant gloves, goggles and face shield.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water and mild soap.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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
Ethylene glycol	107-21-1	0.1 – 1.0%
2,4,7,9-tetramethyldec-5-yne-4,7-diol	126-86-3	1.0 – 5.0%

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

Inhalation: If overcome by fumes from hot product, move to fresh air. Get medical attention.
 Ingestion: Rinse mouth with water, drink plenty of water.
 Skin: Immediately wash with plenty of water. Remove contaminated clothing. If skin irritation develops or persists seek medical attention.
 Eye: Remove contact lenses if present. Flush with water for 15 minutes or until irritation subsides. Rinse under the eyelids. If irritation persists get medical attention.

Symptoms and effects, both acute and delayed:

Acute: Skin exposure may cause slight irritation to personnel with allergenic tendencies. Eye contact may result in transient corneal inflammation. Low order of oral toxicity.
 Chronic: No information available.

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

Suitable: Water spray, carbon dioxide (CO₂), dry chemical, alcohol resistant foam, water mist may be used to cool closed containers.
 Unsuitable: None

Specific hazards and combustion products: Products may include irritating gases and vapors when exposed to combustion.

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 others away from spill. Restrict access to area until the spill has been cleaned up.

Methods and materials for containment and cleaning up: Contain spill and transfer to suitable containers or soak up in absorbent medium (e.g. Sand, earth, diatomaceous earth, vermiculite). If spill enters sewer, notify proper authorities. Dispose according to local/federal regulations.

7 - HANDLING AND STORAGE

Precautions for safe handling: Wear proper personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly before meals and at the end of work periods.

Conditions for safe storage: Keep containers tightly closed when not in use. Store in a cool, well-ventilated place. Protect from freezing temperatures. Avoid heating above 120°F for prolonged periods of time.

Incompatible materials: Strong oxidizing materials.

8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits:

Material	ACGIH TLV	OSHA (Ceiling) PEL	CAS #
Ethylene Glycol	Ceiling: 100 mg/m ³	125 mg/m ³	107-21-1

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Individual protection measures and personal protective equipment: Splash goggles, face shield, chemical resistant gloves. Use chemical resistant apron if needed to avoid prolonged or repeated skin contact.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Translucent white emulsion
Odor: Slight
Odor threshold: Data currently unavailable.
Product pH: 7.8
Freezing point: Data currently unavailable.
Boiling point: 212°F
Flash point: >200°F
Evaporation rate: <1 (BA = 1)
Flammability: Data currently unavailable.
Upper/lower flammability limits: Data currently unavailable.
Vapor pressure: Data currently unavailable.
Vapor density: >1 (Air = 1)
Relative density: 1.05 (Water = 1)
Solubility: Dispersible in water.
Partition coefficient (n-octanol/water): Information not available.
Auto-ignition temperature: Information not available.
Decomposition temperature: Information not available.
Viscosity: Typical 2500 cPs @ 25°C
VOC: 3.98% [EPA Method 24]

10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Avoid freezing temperatures.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Material does not decompose at ambient temperatures. Decomposition products may include and are not limited to carbon oxides, silicon dioxide, formaldehyde, when water content has evaporated and residue is exposed to combustion.

11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

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

Potential symptoms of exposure:

Inhalation: Health injuries are not known or expected under normal use.
Ingestion: Health injuries are not known or expected under normal use.
Skin: May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Avoid contact with skin.
Eye: Irritant to eyes. Avoid contact with eyes.

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 risk of hazardous effects to the aquatic 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.
DOT Hazard class: Not Regulated.
UN/NA Number: Not Regulated.

15 - REGULATORY INFORMATION

Sara III (Superfund Amendment and Re-authorization 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):	NO	REACTIVE HAZARD:	NO
SUDDEN PRESSURE RELEASE:	NO		

Sections 313 and 40 CFR Part 372 – Toxic Chemicals:

Component	%	CAS#
Ethylene glycol	1.0	107-21-1

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

Section 102 and 40 CFR Part 302 – Hazardous Substances:

Component	%	RQ (lbs.)	CAS#
Ethylene Glycol	1.0	5000	107-21-1

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 ANTI-FOAM 29

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

16 - OTHER INFORMATION

Preparation Date: June 12, 2015

Revision Date: June 2, 2017

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