



## 1. DESCRIPTION

**Trade Name:** DEFOAMER

**Chemical Name:** Drilling Defoamer

**Application:** Anti foaming agent for drilling fluid

**Supplier:** TEAM Chemicals

**Telephone:** +44 (0)207 408 7700 - +98 912 3717539

**Address:** No. 43, Souri St., 43 Ashrafi Esfahani Expressway

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### Ingredients

Chemical name	CAS-No	Content
DEFOAMER	-	100%

## 3. HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW:

**Potential Acute Health Effects:** Caution! May be harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system. Combustible liquid and vapor.

**Eye Contact:** Causes Irritation and Redness

**Skin:** Irritant and absorbent to body

**Inhalation:** May Cause Coughing, Dizziness, Dullness, and Headache.

**Ingestion:** Large Oral Doses may Cause Irritation to the Gastrointestinal Tract

**Potential Chronic Health Effects:**

**CARCINOGENIC EFFECTS:** Not available.

**MUTAGENIC EFFECTS:** Not available.

**TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Not available.

Repeated or prolonged exposure is not known to aggravate medical condition

**Irritant** YES      **Flammable** YES

**Carcinogenic** NO      **Oxidant** NO

**Explosive** NO      **Environmental Hazard** YES

**Corrosive** No      **(Risk-Phrases)** -

**(Safety-Phrases)** -





## 4. FIRST AID MEASURES

**Eye Contact:** If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

**Skin Contact:** If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).

**Inhalation:**

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.

**Ingestion:**

- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** Alcohol Resistant Foam, Carbon Dioxide

**FIRE/EXPLOSION HAZARD** Combustible

**PERSONAL PROTECTION** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spill:**

Slippery when spilt.

- Remove all ignition sources.
- Clean up all spills immediately.

**Large Spill:**

Remove all ignition sources.

Slippery when spilt.

Minor hazard.

- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.



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## 7. HANDLING AND STORAGE

### HANDLING Precautions:

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.

**Storage Precautions:** Segregate from acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** NIOSH/MSHA-approved respirator

**Ventilation:** Mechanical

**Protective Gloves:** NIOSH approved gloves

**Eye Protection:** Eye Goggles

**ENGINEERING CONTROLS:** Provide adequate general and local exhaust ventilation.

## 9. PHYSICAL & CHEMICAL PROPERTIES

**Physical state and appearance:** Colorless to yellow liquid

**Odor:** No specific odor

**pH:** >8

**Flash Point:** >60 Celsius degrees

**Melting/Freezing Point:** Not Available

**Specific Gravity:** 0.87-0.91

**Solubility:** Easily Miscible.

## 10. STABILITY & REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Heat, ignition sources and incompatibilities

**Materials to Avoid:** Oxidizing agents

**Special Remarks on Reactivity:** Decomposition products are Carbon dioxide, carbon monoxide.

**Special Remarks on Corrosivity:** Non-corrosive

## 11. TOXICOLOGICAL INFORMATION

### Carcinogenic References:

NTP Carcinogen - Known: No IARC Category-None

Anticipated: No

Irritating to eyes. Repeated exposure may cause chronic eye irritation



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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Environmental Fate: When Released into the Soil, This Material is Expected to Readily Biodegrade. When Released into the Soil, This Material is Expected to Leach Into Groundwater. When Released into Water, This Material Is Expected to Readily Biodegrade. This Material is Not Expected to Significantly Bioaccumulate. This Material Has an Estimated Bioconcentration Factor (BCF) Of Less Than 100. When Released Into The Air, This Material May be Moderately Degraded By Reaction With Photochemically Produced Hydroxyl Radicals. Environmental Toxicity: The LC50/96-hour Values for Fish are between 10 and 100 mg/l. This Material is Expected to be Slightly Toxic to Aquatic Life.

### 13. DISPOSAL CONSIDERATION

**DISPOSAL METHODS:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### 14. TRANSPORT INFORMATION

**DOT Classification:** Flammable Liquid

### 15. REGULATORY INFORMATION

**Classification:** Flammable material

Toxicity: refer to section 11 and 12.

**Poisons Schedule (SUSMP):** None allocated.

This material is listed on the international standard such as OHSAS 18001:2007.



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### 16. ADDITIONAL INFORMATION

#### Reason(s) for Issue:

- 3 Yearly Revised Primary MSDS
- Update in Toxicological Information
- Update in Ecological Information

This MSDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. TEAM Chemicals cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TEAM Chemicals and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.