

# SAFETY DATA SHEET



Date Issued : 3/14/2013

MSDS No : 93041

## SULFOLANE

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SULFOLANE

**MANUFACTURER**

Tarr Acquisition, LLC  
4115 W. Turney Ave.  
Phoenix, AZ 85019  
**Service Number:** 602-233-2000

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC (US Transportation) :**(800) 424 - 9300  
**CANUTEC (Canadian Transportation) :**(613) 996 - 6666

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

**Health**

Reproductive Toxicity, Category 2

**GHS LABEL**



Health hazard

DANGER

H302: Harmful if swallowed.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure eye tissue.

**SKIN:** Causes skin irritation.

**INGESTION:** Poses little or no immediate hazard.

**INHALATION:** Breathing of high vapor concentrations may cause drowsiness, dizziness, fatigue, followed by coma.

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** In animal studies, has been shown not to interfere with reproduction.

**TARGET ORGAN STATEMENT:** The following organs and/or organ systems may be damaged by overexposure to this material. Kidney.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Vol. %	CAS	EINECS
SULFOLANE	95 - 99	126-33-0	
Water	1 - 5	7732-18-5	231-791-2

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Remove contact lenses after initial 1-2 minutes of flushing and continue flushing. Get immediate medical attention.

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Call a physician if irritation develops. Wash clothing before reuse.

**INGESTION:** Do not induce vomiting. Give milk or water. Get immediate medical attention. Careful evacuation of stomach by medical personnel imperative.

**INHALATION:** Remove from exposure to fresh air. If not breathing, give artificial respiration or if breathing is difficult, oxygen should be administered by qualified personnel. Get medical aid if cough or other symptoms appear.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (330.8°F) Cleveland Closed Cup

**FLAMMABLE LIMITS:** No data available.

**EXTINGUISHING MEDIA:** Use water fog, carbon dioxide, dry chemical.

**HAZARDOUS COMBUSTION PRODUCTS:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike or container spill. Absorb with inert material and dispose. Flush area with water. Prevent washings from entering waterways. Spills may be reportable to the National Response Center ((800) 424-8802) in the United States. Dispose of in accordance with local, state, federal or provincial regulations.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** No special handling precautions are required, but dry, indoor storage is recommended.

**ELECTROSTATIC ACCUMULATION HAZARD:** Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations, which have the potential of generating an accumulation of electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, g, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 19103106, 'Flammable and Combustible Liquids, National Fire Protection Association (NFPA 77), Recommended Practice on Static Electricity' (liquids, powders and dusts), and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents' (liquids).

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust and general ventilation must be adequate to meet exposure limit(s).

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical goggles/face shield.

**SKIN:** Wear chemical resistant gloves such as: Neoprene, butyl or nitrile or consult your safety equipment supplier.

**RESPIRATORY:** Where airborne concentrations are expected to exceed exposure limits, NIOSH/MSHA certified respirators should be used.

**PROTECTIVE CLOTHING:** Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**COMMENTS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Mild odor.

**APPEARANCE:** Clear, colorless liquid.

**PERCENT VOLATILE:** 97

**VAPOR PRESSURE:** 1.14 mm Hg at (212°F)

**VAPOR DENSITY:** > 3

**BOILING POINT:** (212°F) to (550.4°F)

**Notes:** The low value is water and the high value is Sulfolane.

**FREEZING POINT:** (78.8°F)

**FLASHPOINT AND METHOD:** (330.8°F) Cleveland Closed Cup

**SOLUBILITY IN WATER:** Appreciable

**EVAPORATION RATE:** < 1

**DENSITY:** 10.44

**SPECIFIC GRAVITY:** 1.26 at (86°F)

**MOLECULAR WEIGHT: Formula:** C<sub>4</sub>H<sub>8</sub>SO<sub>2</sub>

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable under normal temperature and pressure.

**POLYMERIZATION:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Sulfur Oxides. Carbon Oxides.

**INCOMPATIBLE MATERIALS:** May react with oxygen and strong oxidizing agents, such as chlorates, nitrates,

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peroxides, etc.

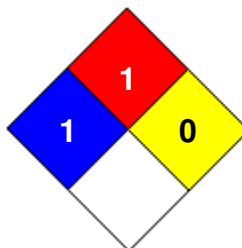
**11. TOXICOLOGICAL INFORMATION****REPEATED DOSE EFFECTS:** Kidney: Can cause kidney damage.**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** None Expected.**BIOACCUMULATION/ACCUMULATION:** None Expected.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are with responsibility solely of the waste generator.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Not DOT Regulated as a hazardous material.**VESSEL (IMO/IMDG)****SHIPPING NAME:** Not DOT Regulated as a hazardous material.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
SULFOLANE	126-33-0
Water	7732-18-5

**16. OTHER INFORMATION****REASON FOR ISSUE:** New product.**PREPARED BY:** COMPLIANCE

**SULFOLANE****HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input checked="" type="checkbox"/>	

**NFPA CODES**

**NFPA STORAGE CLASSIFICATION:** These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

**HMIS RATINGS NOTES:** The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the MSDS must be considered.

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