

# SAFETY DATA SHEET



Date Prepared : 04/17/2007

MSDS No : 6208

Date-Revised : 04/01/2015

Revision No : 3

## MONOHOL 18%

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** MONOHOL 18%**MANUFACTURER**

Tarr Acquisition, LLC

4115 W. Turney Ave.

Phoenix, AZ 85019

**Product Stewardship:** 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:**

Combustible Liquid

**GHS LABEL****SIGNAL WORD:** WARNING**HAZARD STATEMENTS**

H227: Combustible liquid and Vapor.

H305: May be harmful if swallowed and enters airways.

**PRECAUTIONARY STATEMENT(S)****Prevention:**

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P270: Do not eat, drink or smoke when using this product.

P233: Keep container tightly closed.

P102: Keep out of reach of children.

**EMERGENCY OVERVIEW**

**IMMEDIATE CONCERNS:** WARNING! COMBUSTIBLE LIQUID AND VAPOR. INHALATION CAUSES HEADACHES, DIZZINESS, DROWSINESS AND NAUSEA AND MAY LEAD TO UNCONSCIOUSNESS. CAUSES SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Liquid is mildly irritating to the eyes. High vapor concentrations may also be irritating.

**SKIN:** Liquid is mildly irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

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**INGESTION:** Ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression (headache, drowsiness, dizziness, loss of coordination and fatigue).

**INHALATION:** May cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression.

**MEDICAL CONDITIONS AGGRAVATED:** Preexisting diseases in or history of ailments involving skin, central nervous system, liver and kidney.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Ethanol	13 - 16	64-17-5

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

**SKIN:** Flush skin with water while removing contaminated clothing. If irritation occurs, get medical attention. Do not reuse clothing or shoes until cleaned.

**INGESTION:** Do not give liquids if victim is unconscious or drowsy. Otherwise, give 2 glasses of water and induce vomiting by giving 30cc syrup of ipecac (or touching finger to the back of victim's throat). Keep victim's head below hips while vomiting. Call doctor.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**ACUTE TOXICITY:** Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, and nausea.

### 5. FIRE FIGHTING MEASURES

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

**EXPLOSION HAZARDS:** When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

**FIRE FIGHTING PROCEDURES:** WARNING! Combustible Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** WARNING. Combustible. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency.

### 7. HANDLING AND STORAGE

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**GENERAL PROCEDURES:** Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

**COMMENTS:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethanol	TWA	1000	1900	1000	1884	400	980
	STEL					400	1,225

**ENGINEERING CONTROLS:** Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

**SKIN:** Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**RESPIRATORY:** If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**PROTECTIVE CLOTHING:** Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required.

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

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Alcohol odor.

**COLOR:** Clear, colorless liquid.

**pH:** NA = Not Applicable

**MONOHOL 18%****PERCENT VOLATILE:** 20**FLASHPOINT AND METHOD:** (100°F) to (104°F) TAG CC**FLAMMABLE LIMITS:** 0.033 to 0.19**VAPOR PRESSURE:** 44.6 mm Hg at (68°F)**VAPOR DENSITY:** Heavier than air.**BOILING POINT:** (173°F) to (192°F)**FREEZING POINT:** NDA = no data available.**MELTING POINT:** (20°F)**SOLUBILITY IN WATER:** Complete.**EVAPORATION RATE:** Slower than ether.**DENSITY:** 7.24 - 7.974**SPECIFIC GRAVITY:** 0.86 to 0.975**10. STABILITY AND REACTIVITY****REACTIVITY:** Yes**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** Avoid heat, sparks, flame and contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 deg. F.**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.**INCOMPATIBLE MATERIALS:** Strong oxidizers.**11. TOXICOLOGICAL INFORMATION****CHRONIC:** Laboratory studies have shown that petroleum distillates may cause kidney, liver, or lung damage.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Not listed as a carcinogen by the NTP, IARC, or OSHA.

**12. ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION:** Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.**EMPTY CONTAINER:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.**RCRA/EPA WASTE INFORMATION:** Chemical waste generators must determine whether a discarded chemical

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is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Ethanol Solutions

**PRIMARY HAZARD CLASS/DIVISION:** Combustible liquid

**UN/NA NUMBER:** UN 1170

**PACKING GROUP:** III

**NAERG:** 127

**OTHER SHIPPING INFORMATION:** USDOT combustible exception: 173.150(f)(1).

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:** To the best of our knowledge, this product is not listed as a toxic chemical under Section 313 of SARA Title III.

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** To the best of our knowledge, this product is not listed as an extremely hazardous substance.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** Listed.

**16. OTHER INFORMATION**

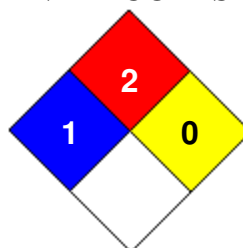
**REASON FOR ISSUE:** Updated SDS information and changed to new format.

**PREPARED BY:** Compliance **Date-Revised:** 04/01/2015

**REVISION SUMMARY:** This MSDS replaces the 03/11/2015 MSDS. Revised: **Section 2: EMERGENCY OVERVIEW - IMMEDIATE CONCERNS.**

**HMIS RATING**

<b>HEALTH</b>	<input type="text" value="0"/>
<b>FLAMMABILITY</b>	<input type="text" value="2"/>
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>
<b>PERSONAL PROTECTION</b>	<input type="text" value="H"/>

**NFPA CODES**

**NFPA STORAGE CLASSIFICATION:** These ratings are part of a specific hazard communication program and

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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.

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