

# SAFETY DATA SHEET

Revision



Date Issued : 2/1/2013

MSDS No : 40

A-200

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** A-200**PRODUCT CODE:** 40**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****Physical**

Flammable Liquids, Category 2

**GHS LABEL**

Flame

DANGER

H226: Flammable liquid and vapour.

**EMERGENCY OVERVIEW****IMMEDIATE CONCERNS:** DANGER! Poison. Flammable. Liquid and vapors toxic and harmful if inhaled.

May be fatal or cause blindness if swallowed. Avoid prolonged breathing of vapors. Can cause serious lung damage. Can cause severe eye irritation. Can cause skin irritation.

**POTENTIAL HEALTH EFFECTS****EYES:** Moderately irritating to the eyes.**SKIN:** Mildly irritating to the skin.**INGESTION:** POISONOUS. May be fatal or cause blindness if swallowed. Ingestion may have a narcotic effect including signs of CNS depression such as dizziness, headache, drowsiness, loss of coordination, and fatigue.**INHALATION:** Excessive exposure to this product may cause headache, CNS depression, drowsiness, dizziness, loss of appetite, irritation of the nasal and respiratory tract, drunkenness, unconsciousness, or death.**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**A-200**

**ACUTE TOXICITY:** Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, and nausea. The vapor irritates the eyes and respiratory tract. The substance may cause effects on the central nervous system, liver, kidneys, and gastrointestinal tract.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS	EINECS
Methanol	11 - 13	67-56-1	200-659-6
Methyl isobutyl ketone	0 - 2	108-10-1	
Ethanol	84 - 88	64-17-5	200-578-6

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

**SKIN:** Remove contaminated clothing. Wash affected area with plenty of soap and water. Get medical attention. Launder clothing before reuse.

**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, preferably mouth to mouth. If breathing is difficult, oxygen should be administered by qualified personnel. Seek medical attention.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (52°F) TAG CC

**FLAMMABLE LIMITS:** 0.014 to 0.36

**EXTINGUISHING MEDIA:** Use "alcohol foam", CO<sub>2</sub> (carbon dioxide), dry chemical or water fog. Do NOT discharge extinguishing waters into the aquatic environment.

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

**EXPLOSION HAZARDS:** Extremely flammable liquid. Vapor accumulation could flash and/or explode if in contact with open flame.

**FIRE FIGHTING PROCEDURES:** WARNING! Flammable 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. Poisonous and Flammable Liquid. 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

**A-200**

**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		SupplierOEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Methanol	TWA	200	260	200	262		
	STEL			250	328		
Methyl isobutyl ketone	TWA	100	410	20	-		
	STEL			75			
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 chemical resistant gloves such as: Neoprene or consult your safety equipment supplier.

**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

## A-200

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Auto Ignition (°C)	Solubility in Water	Specific Gravity
Methanol	52					
Methyl isobutyl ketone	60	115.8	-85	460	Moderate in water.	0.804

**PHYSICAL STATE:** Liquid

**ODOR:** Mild odor.

**APPEARANCE:** Clear, colorless liquid.

**PERCENT VOLATILE:** 100

**VAPOR PRESSURE:** 14.5 - 96

**VAPOR DENSITY:** Heavier than air.

**FLASHPOINT AND METHOD:** (52°F) TAG CC

**SOLUBILITY IN WATER:** Infinite

**EVAPORATION RATE:** Slower than ether.

**SPECIFIC GRAVITY:** 0.76

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Avoid heat, sparks, flame and contact with alkalies and 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.

**INCOMPATIBLE MATERIALS:** Strong oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

Chemical Name	IARC Status
Ethanol	1

**COMMENTS:** Poison. May be fatal or cause blindness, if swallowed. Cannot be made nonpoisonous.

## 12. ECOLOGICAL INFORMATION

**GENERAL COMMENTS:** 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 facilities permitted for hazardous waste for incineration or landfilling. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Ethyl Alcohol Solutions

**PRIMARY HAZARD CLASS/DIVISION:** 3

**SECONDARY HAZARD CLASS/DIVISION:** 6.1

**UN/NA NUMBER:** 1170

**PACKING GROUP:** II

**NAERG:** 127

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable Liquid

S2: Keep out of the reach of children.

#### 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.

**313 REPORTABLE INGREDIENTS:** Methyl alcohol (CAS 67-56-1) and methyl isobutyl ketone (CAS 108-10-1).

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Vol. %	CAS
Methanol	11 - 13	67-56-1
Methyl isobutyl ketone	0 - 2	108-10-1

#### 302/304 EMERGENCY PLANNING

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

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Vol. %	CERCLA RQ
Methanol	11 - 13	5,000
Methyl isobutyl ketone	0 - 2	5,000 LBS.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Methanol	67-56-1
Methyl isobutyl ketone	108-10-1

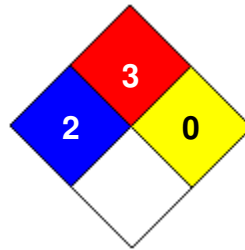
**16. OTHER INFORMATION**

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

**PREPARED BY:** Compliance

**HMIS RATING**

<b>HEALTH</b>		<b>2</b>
<b>FLAMMABILITY</b>		<b>3</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>H</b>	

**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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