

# MATERIAL SAFETY DATA SHEET



Date Issued: 05/08/2006  
MSDS No: 4258  
Date-Revised: 12/06/2011  
Revision No: 1

**IPA 70 %**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** IPA 70%  
**PRODUCT CODE:** 4258, 2183, 2183H, 2183C, 2183CSI  
**ALTERNATE TRADE NAME(S):** Isopropanol 70%, 70% IPA

### 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

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** WARNING! Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful. May cause central nervous system depression. May be irritating to eyes and skin.

### POTENTIAL HEALTH EFFECTS

**EYES:** Moderately irritating to the eyes.

**SKIN:** Mildly irritating to the skin.

**INGESTION:** Irritating to the gastrointestinal tract, causing abdominal pain and vomiting, sometimes bloody. Ingestion may cause CNS depression, low blood pressure, rapid heart beat and liver damage.

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

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**ACUTE TOXICITY:** Irritation as noted above. Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea; in extreme cases, unconsciousness and death may occur. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis (bluish skin). Liver damage may be evidenced by loss of appetite, jaundice and sometimes pain in the upper abdomen on the right side.

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

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**IPA 70 %**

| Chemical Name | Wt. % | CAS       | EINECS    |
|---------------|-------|-----------|-----------|
| 2-Propanol    | 70    | 67-63-0   | 200-661-0 |
| Water         | 30    | 7732-18-5 | 231-791-2 |

**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.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** (60°F)

**FLAMMABLE LIMITS:** 0.02 to 0.127

**AUTOIGNITION TEMPERATURE:** ~ (750°F)

**EXTINGUISHING MEDIA:** Use water fog, "alcohol" foam, dry chemical, or CO<sub>2</sub>.

**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! 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. Flammable. 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**

**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

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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> |
| 2-Propanol                                        | TWA  | 400             | 980               | 200       | 490               | NL <sup>[1]</sup> | NL <sup>[1]</sup> |
|                                                   | STEL |                 |                   | 400       | 960               | NL                | NL                |
| <b>OSHA TABLE COMMENTS:</b><br>1. NL = Not Listed |      |                 |                   |           |                   |                   |                   |

**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:** Mild odor.

**COLOR:** Clear, colorless liquid.

**pH:** Essentially neutral.

**PERCENT VOLATILE:** 100

**VAPOR DENSITY:** Heavier than air.

**BOILING POINT:** (180°F) to (212°F)

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**FREEZING POINT:** NDA = no data available.

**FLASHPOINT AND METHOD:** (60°F)

**SOLUBILITY IN WATER:** Infinitely soluble

**EVAPORATION RATE:** Slower than ether.

**DENSITY:** 7.14

**SPECIFIC GRAVITY:** 0.800 to 0.85

**(VOC):** 7.133 LBS./gal.

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**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.

**INCOMPATIBLE MATERIALS:** Strong oxidizers.

**11. TOXICOLOGICAL INFORMATION**

**COMMENTS:** None Expected.

**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. 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 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:** Isopropanol

**PRIMARY HAZARD CLASS/DIVISION:** 3

**IPA 70%****UN/NA NUMBER:** UN 1219**PACKING GROUP:** II**NAERG:** 129**LABEL:** Flammable liquid**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.

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

| Chemical Name | Wt. % | CAS     |
|---------------|-------|---------|
| 2-Propanol    | 70    | 67-63-0 |

**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)**

| Chemical Name | CAS       |
|---------------|-----------|
| 2-Propanol    | 67-63-0   |
| Water         | 7732-18-5 |

**TSCA STATUS:** Listed.

**GENERAL COMMENTS:** The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**16. OTHER INFORMATION**

**PREPARED BY:** P. Rodabaugh

**REVISION SUMMARY:** This MSDS replaces the 05/08/2006 MSDS. Revised: **Section 1: PRODUCT CODE. Section 15: GENERAL COMMENTS.**

**HMIS RATING**

|                            |                          |          |
|----------------------------|--------------------------|----------|
| <b>HEALTH</b>              | <input type="checkbox"/> | <b>1</b> |
| <b>FLAMMABILITY</b>        | <input type="checkbox"/> | <b>3</b> |
| <b>PHYSICAL HAZARD</b>     | <input type="checkbox"/> | <b>0</b> |
| <b>PERSONAL PROTECTION</b> | <input type="checkbox"/> | <b>G</b> |

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