

# MATERIAL SAFETY DATA SHEET

## B-2 BLEND

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** Tarr Acquisition, LLC  
4115 W. Turney Avenue  
Phoenix, AZ 85019

**INFORMATION PHONE:** (602) 233-2000

**EMERGENCY PHONE:** CHEMTREC 800-424-9300 (US) Day or night  
International Call Collect CHEMTREC 202-483-7616

**PRODUCT NAME:** B-2 BLEND

**PRODUCT NUMBER:** 2766

**UPC NUMBER:**

**PREPARED BY:** Patricia Rodabaugh

**DATE PREPARED:** 3/4/2004

**LAST REVISION:** 6/6/2000

**SYNONYMS:** B-2

# Tarr

Portland, Oregon  
Phoenix, Arizona  
Auburn, Washington  
Vancouver, Washington

**Print Date:** 10/14/2004

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	OSHA PEL	ACGIH TLV	NOTE
Isopropyl Alcohol	67-63-0	55-60	400 ppm	400 ppm	
Toluene	108-88-3	15-20	200 ppm	50 ppm (skin)	NIOSH TWA 100ppm
Methyl n-amyl ketone	110-43-0	22-29	100 ppm	50 ppm	NIOSH TWA 100ppm

### 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** WARNING! Flammable liquid and vapor. Vapor harmful.

#### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Material may cause eye irritation. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness.

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

**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.

**SKIN CONTACT:** Liquid is moderately 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).

#### SIGNS AND SYMPTOMS OF EXPOSURE:

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. Liver damage may be evidenced by loss of appetite, jaundice and sometimes pain in the upper abdomen on the right side.

### 4. FIRST AID MEASURES

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

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be

administered by qualified personnel. Get medical attention immediately.

**INGESTION:** If this chemical has been swallowed, get medical attention immediately.

**SKIN CONTACT:** Wash affected area with soap and water. If irritation occurs, get medical attention.

**AGGRAVATED MEDICAL CONDITIONS:**

Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from preexisting disorders may be aggravated by exposure to this product.

**SUPPLEMENTAL HEALTH INFORMATION:**

See last page of MSDS for Supplemental Health Information.

## **5. FIRE FIGHTING MEASURES**

### **FLAMMABLE PROPERTIES**

**FLASH POINT:** 44 F

**FLASH POINT METHOD USED:** Tag Closed Cup

**AUTOIGNITION:** N/A

**LEL:** 0.01 **UEL:** 0.12

**EXTINGUISHING MEDIA:**

Use water fog, "alcohol" foam, dry chemical, or CO2.

**SPECIAL FIRE FIGHTING PROCEDURES:**

The use of SCBA is recommended for firefighters. Water spray may be used to cool containers exposed to heat or flame.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

When heated above the flash point this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or spray may be flammable at temperatures below the flash point.

**COMBUSTION PRODUCTS:**

Carbon monoxide and unidentified organic compounds may be formed during combustion.

## **6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:**

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**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

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.

**OTHER PRECAUTIONS:**

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.

## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

If exposure may or does exceed occupational exposure limits (Sec. 2) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respir. or an air-purifying respir. for organic vapors.

**VENTILATION:**

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.

**PROTECTIVE GLOVES:**

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

**EYE PROTECTION:**

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.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

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

**WORK / HYGENIC PRACTICES:**

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

**ENGINEERING CONTROLS:**

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

**EXPOSURE GUIDELINES:**

Avoid prolonged or repeated breathing of vapors

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**SOLUBILITY IN WATER:** Infinite in water

**APPEARANCE AND ODOR:** Colorless, clear liquid. Characteristic odor.

<b>BOILING POINT:</b>	180 F	<b>PERCENT VOLATILE:</b>	100
<b>VAPOR PRESSURE:</b>	2 - 37 mm @ 20	<b>PH:</b>	essentially neutral
<b>EVAPORATION RATE:</b>	Slower than ether	<b>MOLECULAR WEIGHT:</b>	
<b>POUNDS PER GALLON:</b>	6.76	<b>VAPOR DENSITY:</b>	Heavier than air
<b>SPECIFIC GRAVITY:</b>	0.811	<b>OTHER PROPERTIES:</b>	VOCs:6.756 lbs/gal,809.601gm/l
<b>MELTING POINT:</b>	NDA		
<b>FREEZING POINT:</b>	NDA		

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

**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.

**INCOMPATIBILITY:**

Strong oxidizers.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

Carbon monoxide and unidentified organic compounds may be formed during combustion.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** Avoid heat, flame, and other sources of ignition. Do not store or handle in aluminum equipment at temperatures above 120 deg. F.

**11. TOXICOLOGY INFORMATION**

This product may contain benzene (CAS No. 71-43-2) at a concentration less than 10 ppm.

**12. ECOLOGICAL INFORMATION**

Keep out of waterways. Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

### 13. DISPOSAL CONSIDERATIONS

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.

### 14. TRANSPORTATION INFORMATION

<b>DOT Proper Shipping Name:</b>	Flammable liquids, N.O.S. (toluene, 2-propanol)	<b>PACKING GROUP:</b>	II
<b>HAZARD CLASS:</b>	3	<b>GUIDE NUMBER:</b>	128
<b>UN NUMBER:</b>	UN 1993	<b>DOT CLASS:</b>	Flammable liquid

### 15. REGULATORY INFORMATION

HAPS: 1.305 lbs/gal on Toluene (108-88-3).

### 16. OTHER INFORMATION

**HMS INFORMATION:**    **HEALTH:** 2    **FLAMMABILITY:** 3    **REACTIVITY:** 0    **PROTECTIVE:** H

#### SARA Title III Information:

**SARA 302:** To the best of our knowledge, none of the chemicals in this product are listed as an Extremely Hazardous Substance under Section 302 of SARA Title III nor does this product contain any other such substances.

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

**SARA 313:** Toluene (108-88-3)

**Supplemental Health Info.:** This product contains the following chemicals known to the State of California to cause cancer & reproductive toxicity: Benzene, Toluene

Toluene is not known to be mutagenic or carcinogenic. However, the available human and experimental data are limited and insufficient to assess carcinogenic potential. Toluene is not listed as a carcinogen by NTP, IARC, or OSHA. Intentional abuse of toluene vapors has been linked to damage of brain, liver, kidney and to death. Many case studies involving abuse during pregnancy clearly indicate that toluene is a developmental toxicant. Developmental toxic effects comparable to those observed in humans have been seen in lab animals but the effects were generally associated with maternal toxicity.

While there is no evidence that industrially acceptable levels of toluene vapors (e.g., the TLV) have produced cardiac effects in humans, animal studies have shown that inhalation of high levels of toluene produced cardiac sensitization. Such sensitization may cause fatal changes in heart rhythms. This latter effect was shown to be enhanced by hypoxia or the injection of adrenalinlike agents.

**N/A = Not Applicable**

**NDA = No Data Available**

#### Disclaimer

This information contained herein is based on the data available to us and is believed to be accurate. However, Tarr Acquisition, LLC (Tarr, LLC) makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Tarr, LLC assumes no responsibility for injuries from the use of the product described herein.