

# MATERIAL SAFETY DATA SHEET

BLEND 4078



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** Tarr, Incorporated  
P.O. Box 12570  
Portland, OR 97212

**INFORMATION PHONE:** (503) 288-5294

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

**PRODUCT NAME:** BLEND 4078

**PRODUCT NUMBER:** B4078


**UPC NUMBER:**

**PREPARED BY:** Patricia Rodabaugh

**DATE PREPARED:** 7/11/2002

**LAST REVISION:** 7/11/2002

**SYNONYMS:**



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

**Print Date:** 10/18/2004

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	OSHA PEL	ACGIH TLV	NOTE
Methyl alcohol	67-56-1	9 - 13	200 ppm	200 ppm	
Acetone	67-64-1	11-16	750 ppm	750 ppm	
Toluene	108-88-3	73 - 77	200 ppm	50 ppm (skin)	

## 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** WARNING! EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE! POISON!! Extremely flammable liquid and vapor. Vapor harmful. May be fatal or cause blindness if swallowed. Avoid prolonged breathing of vapors. Avoid contact with eyes and skin.

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Moderately irritating to the eyes.

**INHALATION:** Excessive exposure to this product may cause headache, CNS depression, drowsiness, dizziness, loss of appetite, irritation of the respiratory tract, drunkenness, unconsciousness, or death.

**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. Cannot be made non-poisonous. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea. Can cause irreversible nervous system damage and death.

**SKIN CONTACT:** 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:

Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, and nausea.

## 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:** Call poison control center or get medical help immediately. If patient is conscious and alert, give 8 ounces of water or juice and induce vomiting, keeping patient's head below hips to prevent aspiration of liquid into lungs.

**SKIN CONTACT:** Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

**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. Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Persons with asthma, chronic respiratory problems, severe heart, skin, liver or kidney problems should avoid use. Subchronic hazards: Absorption through skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

**SUPPLEMENTAL HEALTH INFORMATION:**

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.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

**FLASH POINT:** 2 F

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

**AUTOIGNITION:** 867 F

**LEL:** 0.01 **UEL:** 0.128

**EXTINGUISHING MEDIA:**

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

**SPECIAL 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.

**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 respirator or an air-purifying respirator 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:**

Test data indicate the best protection is provided by neoprene, nitrile, and natural rubber gloves.

**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:**

Wear gloves and protective clothing which are impervious to this product for the duration of anticipated exposure, if there is potential for skin contact.

**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 and eyewash facility and a safety shower.

**EXPOSURE GUIDELINES:**

May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**SOLUBILITY IN WATER:** soluble

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

<b>BOILING POINT:</b>	133 - 232 F	<b>PERCENT VOLATILE:</b>	100
<b>VAPOR PRESSURE:</b>	22 - 180	<b>PH:</b>	N/A
<b>EVAPORATION RATE:</b>	Slower than ether	<b>MOLECULAR WEIGHT:</b>	N/A
<b>POUNDS PER GALLON:</b>	7.072	<b>VAPOR DENSITY:</b>	Heavier than air
<b>SPECIFIC GRAVITY:</b>	0.849	<b>OTHER PROPERTIES:</b>	
<b>MELTING POINT:</b>	-144 F		
<b>FREEZING POINT:</b>	N/A		

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Avoid strong alkalies and oxidizing agents.

**INCOMPATIBILITY:**

Isolate from strong oxidizers such as permanganates, chromates and peroxides.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** Avoid heat, flame, electric equipment, open flame and other sources of ignition.

**11. TOXICOLOGY INFORMATION**

Poison. May be fatal or cause blindness, if swallowed. Cannot be made nonpoisonous. This product has no carcinogens listed by IARC, NTP,

NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%. This product may contain benzene (CAS 71-43-2) at a concentration less than 1 ppm.

## 12. ECOLOGICAL INFORMATION

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

**DOT Proper Shipping Name:** Paint Related Material

**PACKING GROUP:** II

**GUIDE NUMBER:** 127

**HAZARD CLASS:** 3

**DOT CLASS:** Flammable liquid

**UN NUMBER:** UN 1263

## 15. REGULATORY INFORMATION

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

## 16. OTHER INFORMATION

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

### SARA Title III Information:

**SARA 302:** To the best of our knowledge, this product is not listed as an extremely hazardous substance.

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

**SARA 313:** Acetone, Methanol and Toluene are listed.

**California Proposition 65:** This product contains the following chemicals known to the State of California to cause cancer & reproductive toxicity: Benzene, Toluene

**N/A = Not Applicable**

**NDA = No Data Available**

### Disclaimer

The information contained herein is based on the data available to us and is believed to be accurate. However, Tarr, Incorporated makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Tarr, Inc. assumes no responsibility for injuries from the use of the product described herein.