

# MATERIAL SAFETY DATA SHEET

## RINSOLVE DB

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** Distributed by 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:** **RINSOLVE DB**

**PRODUCT NUMBER:** 1649,1635,1762,1762A

**UPC NUMBER:**

**PREPARED BY:** Patricia Rodabaugh

**DATE PREPARED:** 3/29/2005

**LAST REVISION:** 3/29/2005

**SYNONYMS:** glycol ether DB, Solvent DB

# Tarr

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

**Print Date:** 3/29/2005

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	OSHA PEL	ACGIH TLV	NOTE
Diethylene glycol monobutyl ether	112-34-5	100	Not established	Not established	

### 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** Harmful or fatal if swallowed - can enter lungs and cause damage. May cause eye and skin irritation or injury. Keep out of waterways. Soak up with suitable non-reactive absorbent material. Collect with rubber shovel into suitable containers for disposal.

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Material may cause severe eye irritation. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness and swelling of eyes. Can injure eye tissue.

**INHALATION:** It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

**INGESTION:** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

**SKIN CONTACT:** This material is a skin irritant. Direct contact may cause redness or burning, drying and cracking of the skin.

### SIGNS AND SYMPTOMS OF EXPOSURE:

Irritation as noted above.

### 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If irritation occurs, 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:** Do not give liquids if victim is unconscious or drowsy. Otherwise, give 2 glasses of water and induce vomiting by giving 30cc ( 2 tablespoons) syrup of ipecac (or touching finger to the back of victim's throat). Keep victim's head below hips while vomiting. Get medical attention.

**SKIN CONTACT:** Flush skin with water. If irritation occurs, get medical attention.

**AGGRAVATED MEDICAL CONDITIONS:**

Preexisting skin and eye conditions may be aggravated by exposure to this product.

**SUPPLEMENTAL HEALTH INFORMATION:**

Note to Physician: If victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

**FLASH POINT:** 175 - 220 F

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

**AUTOIGNITION:** NDA

**LEL:** 0.011 **UEL:** 0.14

**EXTINGUISHING MEDIA:**

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

**SPECIAL FIRE FIGHTING PROCEDURES:**

Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None identified.

**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:**

May burn although not readily ignitable. Use cautious judgement when cleaning up large spills. Large Spills: Wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material. Dispose of properly. Flush area with water to remove trace residue. Small Spills: Take up with an absorbent material and dispose of properly.

## 7. HANL Ding AND STORAGE

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

Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do not pressurize drum containers to empty them.

**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 , when airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.

**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:**

Avoid prolonged or repeated contact with skin. Use gloves resistant to the material being used.

**EYE PROTECTION:**

Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact with eyes.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Where splashing is possible, full chemically resistant protective clothing and boots are required to minimize 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 an eyewash facility and a safety shower. Local exhaust ventilation may be necessary for some operations.

**EXPOSURE GUIDELINES:**

Avoid prolonged or repeated breathing of vapors.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**SOLUBILITY IN WATER:** Complete in water.

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

<b>BOILING POINT:</b>	446 F	<b>PERCENT VOLATILE:</b>	
<b>VAPOR PRESSURE:</b>	.007 @ 68 F (mm hg)	<b>PH:</b>	
<b>EVAPORATION RATE:</b>	0.01 (n-Butyl Acetate = 1)	<b>MOLECULAR WEIGHT:</b>	
<b>POUNDS PER GALLON:</b>	7.95	<b>VAPOR DENSITY:</b>	5.6, Heavier than air
<b>SPECIFIC GRAVITY:</b>	0.95	<b>OTHER PROPERTIES:</b>	VOC's: 7.95 lb./gal.
<b>MELTING POINT:</b>	NDA		
<b>FREEZING POINT:</b>			

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

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

**INCOMPATIBILITY:**

Strong alkalis, strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

May form: carbon monoxide and unidentified organic compounds during combustion.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** Product will not undergo hazardous polymerization.

**11. TOXICOLOGY INFORMATION**

Acute toxicity data: Acute Oral LD50: 5.7 - 6.6 G/KG - rat, 2.0 G/KG - guinea pig, 2.2 G/KG - rabbit. Acute Dermal LD50: 4.0 G/GK - rabbit. Acute Inhalation LC50: SAT. AIR - 7 HRS - NO DEATHS (Rat)

## 12. ECOLOGICAL INFORMATION

Avoid uncontrolled releases of this material. Keep out of sewers, storm drains, surface waters and soil. 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>	Not DOT regulated as a hazardous material	<b>PACKING GROUP:</b>	N/A
<b>HAZARD CLASS:</b>	N/A	<b>GUIDE NUMBER:</b>	N/A
<b>UN NUMBER:</b>	N/A	<b>DOT CLASS:</b>	Not DOT regulated as a hazardous material

## 15. REGULATORY INFORMATION

This product is listed on the EPA/TSCA inventory of chemical substances. This product is the subject of a TSCA Section 4 test rule. Export of this product is therefore prohibited without prior notification to EPA.

## 16. OTHER INFORMATION

**HMIS INFORMATION:**    **HEALTH:** 2    **FLAMMABILITY:** 1    **REACTIVITY:** 0    **PROTECTIVE:** X

### SARA Title III Information:

<b>SARA 302:</b>	To the best of our knowledge, this product is not listed as an extremely hazardous substance.
<b>SARA 311/312:</b>	This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.
<b>SARA 313:</b>	Glycol ether compound
<b>Supplemental Health Info.:</b>	Diethylene glycol monobutyl ether (CAS no: 112-34-5) is on the California Haz. Subst. List.

**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.