

MATERIAL SAFETY DATA SHEET



Date Prepared: 08/25/2005

MSDS No: DBF

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: DBF

MANUFACTURER

Distributed by Tarr, LLC

P.O. Box 12570

Portland, OR 97212

Customer Service: 503-288-5294

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300

CANUTEC (Canadian Transportation) :(613) 996 - 6666

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS</u>
Dibutylphthalate	100	84-74-2

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier</u>	
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Dibutylphthalate	TWA	5.00		5.00		

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Can cause severe eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

SKIN: May cause mild skin irritation. Symptoms may include redness and burning of skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

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

INHALATION: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

ACUTE EFFECTS: Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

SUBCHRONIC/CHRONIC TOXICITY

TERATOGENICITY: this material (or a component) has been shown to cause birth defects in laboratory animal studies. The relevance of these findings to humans is uncertain.

ROUTES OF ENTRY: Inhalation, skin contact.

TARGET ORGANS: Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: liver abnormalities, female reproductive effects, testis damage.

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/shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical

attention. Do not reuse clothing until cleaned.

INGESTION: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or if breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

NOTES TO PHYSICIAN: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (for example, asthma-like conditions), liver, male reproductive systems.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 182.2°C (360°F)

FLAMMABLE LIMITS: 0.5% to 0.0%

AUTOIGNITION TEMPERATURE: No data available.

EXTINGUISHING MEDIA: Use water fog, carbon dioxide, dry chemical.

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

EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

FIRE FIGHTING PROCEDURES: Clear fire area of all non-emergency personnel. Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing personal protective equipment should be excluded from area of spill until clean-up has been completed. Shut off source of leak if safe to do so. Dike and contain spill. Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required. Remove with vacuum trucks or pump into clean storage/salvage vessels for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

7. HANDLING AND STORAGE

HANDLING: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

COMMENTS: 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 CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust and general ventilation must be adequate to meet exposure limit(s).

PERSONAL PROTECTION

EYES AND FACE: Chemical splash goggles and face shield in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist.)

SKIN: Wear resistant gloves such as: Poly Vinyl Alcohol (PVA) or consult your safety equipment supplier. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY: If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.) Engineering or administrative controls should be implemented to reduce exposure.

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: No data.

COLOR: Clear, colorless liquid.

pH: No data.

BOILING POINT: 998.8°C (642°F) to (642°F)760 mm Hg

EVAPORATION RATE: NA = Not Applicable

DENSITY: 8.72 at (68°F)

SPECIFIC GRAVITY: 1.047 at (68.0°F)

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Product will not undergo polymerization.

HAZARDOUS DECOMPOSITION: May form carbon dioxide, carbon monoxide, various hydrocarbons.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS: This material (or a component) has been shown to cause birth defects in laboratory animal studies. the relevance of these findings to humans is uncertain.

12. ECOLOGICAL INFORMATION

COMMENTS: No data.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Destroy by liquid incineration. Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations.

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: Environmentally Hazardous Substances, Liquids, N.O.S.

TECHNICAL NAME: (Dibutyl Phthalate)

PRIMARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: UN 3082

PACKING GROUP: III

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 10

NAERG: 171

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** YES

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

313 REPORTABLE INGREDIENTS: Dibutyl Phthalate (CAS 84-74-2)

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)

CERCLA RQ: 10 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: Listed.

16. OTHER INFORMATION

APPROVAL DATE: 08/25/2005

PREPARED BY: P. Rodabaugh

REVISION SUMMARY New MSDS

NFPA CODES

FIRE: 1 **HEALTH:** 0 **REACTIVITY:** 0

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