

MATERIAL SAFETY DATA SHEET



Date Issued: 10/02/2008

MSDS No: 4489

EBR 805

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EBR 805
PRODUCT CODE: 4489, 4490

MANUFACTURER

Tarr Acquisition, LLC
 4115 W. Turney Ave.
 Phoenix AZ 85019
Service Number: 602-233-2000

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: WARNING! Flammable liquid and vapor. Vapor harmful. High vapor concentrations may cause drowsiness and irritation of the eyes or respiratory tract. Prolonged or repeated skin contact may cause drying, cracking or irritation.

POTENTIAL HEALTH EFFECTS

EYES: May cause temporary discomfort or irritation to the eye. High vapor concentrations may also be irritating.

SKIN: Prolonged or repeated contact can result in drying or cracking of the skin which may result in skin irritation.

INHALATION: High vapor concentrations may cause drowsiness and irritation of the respiratory tract.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Isobutyl isobutyrate	60 - 100	000097-85-8
Propanoic acid, 2-hydroxy-, ethyl ester	10 - 50	000097-64-3

4. FIRST AID MEASURES

EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if easy to do so. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Call a physician if irritation develops. Wash clothing before reuse.

INGESTION: Do not give liquids if victim is unconscious or drowsy. Otherwise, have victim drink water or milk to dilute. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING. Call doctor or Poison Control immediately. Induce vomiting only if advised by doctor or Poison Control.

INHALATION: Remove from exposure to fresh air. If not breathing, give artificial respiration or if breathing is difficult, oxygen should be administered by qualified personnel. Get medical aid if cough or other symptoms appear.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 42.2°C (108°F)

FLAMMABLE LIMITS: 1.0% to 7.6%

AUTOIGNITION TEMPERATURE: No data available.

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

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

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.

FIRE FIGHTING EQUIPMENT: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Remove all sources of ignition and provide ventilation. Wear protective clothing as given in section 8. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material with absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal using non-sparking equipment. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for proper disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Section 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to risk assessment of local circumstances to help determine appropriate controls for safe handling storage and disposal of this material.

HANDLING: All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred.

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 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	
		SupplierOEL	
Chemical Name		ppm	mg/m ³
Isobutyl isobutyrate	TWA	100	

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Wear resistant gloves (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. Avoid prolonged or repeated breathing of vapors

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild sweet.

APPEARANCE: Clear. Liquid.

VAPOR PRESSURE: 3 mmHg at (68°F)

Notes: (for component)

VAPOR DENSITY: 5 (Air=1)

BOILING POINT: 148.8°C (300°F) 760 mm Hg

FLASHPOINT AND METHOD: 42.2°C (108°F)

SOLUBILITY IN WATER: Appreciable

EVAPORATION RATE: 1.0 (n-Butyl Acetate=1)

DENSITY: 7.41

SPECIFIC GRAVITY: 0.880 to 0.89

10. STABILITY AND REACTIVITY

STABLE: Yes

POLYMERIZATION: Product will not undergo polymerization.

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

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents.

COMMENTS: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
Propanoic acid, 2-hydroxy-, ethyl ester	2500 mg/kg (mouse)

DERMAL LD₅₀: 8520 mg/kg (guinea pig)

Notes: Results above are for Isobutyl Isobutyrate. Dermal LD50 Ethyl lactate: greater than 5000 mg/kg (rat)

SKIN ABSORPTION: Skin irritation: slight (guinea pig)

ORAL LD₅₀: Oral LD50 for isobutyl acetate (rat): 3200-6400 mg/kg, (rabbit): 4800 mg/kg.

Oral LD50 for 2-butoxyethanol (guinea pig): greater than 500-2000 mg/kg .

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Acute Aquatic Effects Data for Isobutyl Isobutyrate: 96 h LC50 (fathead minnow): 12.54 mg/l; 48 h EC50 (daphnid): 55.8 mg/l

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal must be made in accordance with applicable governmental regulations. Do not contaminate any streams, lakes, or ponds.

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: Flammable Liquids, N.O.S.

TECHNICAL NAME: (Ethyl Lactate, Isobutyl Isobutyrate)

UN/NA NUMBER: UN 1993

PACKING GROUP: III

NAERG: 129

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable Liquid

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes
CHRONIC: No

313 REPORTABLE INGREDIENTS: To the best of our knowledge, chemicals in this product are not listed as toxic chemicals under Section 313 of SARA Title III.

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)

TSCA REGULATORY: This product is a mixture and each component is listed in the TSCA Inventory of Chemical Substances.

16. OTHER INFORMATION

PREPARED BY: Compliance Dept.

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	2
FLAMMABILITY:	2
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

HMIS RATINGS NOTES: Personal protection rating to be supplied by user depending on use conditions.

MANUFACTURER DISCLAIMER: The 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.