

MATERIAL SAFETY DATA SHEET



Date Issued: 10/28/2011
MSDS No: 6403R

LE-22403R PART B REDUCED

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LE-22403R PART B REDUCED
PRODUCT CODE: 6403R

MANUFACTURER

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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Warning! Flammable liquid. May cause allergic skin reaction. May cause central nervous system depression. May cause liver damage. May cause kidney damage. May cause fetal effects based upon animal studies. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.
Target Organs: Kidneys, central nervous system, liver.

POTENTIAL HEALTH EFFECTS

EYES: Vapors may cause eye irritation. May cause chemical conjunctivitis and corneal damage.

INGESTION: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Ingestion and large amounts may cause CNS depression.

INHALATION: May cause respiratory tract irritation. May cause effects similar to those described for ingestion. Aspiration may lead to pulmonary edema. Vapors may cause dizziness or suffocation. May cause burning sensation in the chest.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: This material (or its components) was found to be a teratogenic in animal studies. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

TARGET ORGAN STATEMENT: Kidneys, central nervous system, liver.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt. %	CAS	EINECS
n-Butyl acetate	< 70	123-86-4	204-658-1
1,2,4-trimethylbenzene	< 0.75	95-63-6	- -
2-Methoxy-1-Methylethylacetate	8 - 12	108-65-6	203-603-9
2-METHOXYPROPYL ACETATE	< 0.1	70657-70-4	274-724-2
2-METHOXYPROPANOL	< 0.01	1589-47-5	216-455-5
diisocyanates	< 0.04		

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: If swallowed, do NOT induce vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention immediately. Never give anything by mouth to an unconscious person.

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.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (78°F)

FLAMMABLE LIMITS: 1.70 to 7.60

EXTINGUISHING MEDIA: Use foam, "alcohol foam", CO₂ (carbon dioxide), dry chemical or water fog.

EXPLOSION HAZARDS: Flammable liquid. Flashback along vapor trail may occur. This material may be ignited by heat, sparks, flame or static electricity. Closed containers may explode when exposed to extreme heat.

FIRE FIGHTING PROCEDURES: WARNING! Flammable Liquid. Clear fire area of unprotected personnel. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

FIRE FIGHTING EQUIPMENT: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: WARNING. Flammable. Ventilate area of leak or spill. Remove all sources of ignition (flames, hot surfaces and electrical, static, or frictional spark). Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency. Remove with inert absorbent and non-sparking tools. Dispose of material in accordance with all federal, state and local regulations.

7. HANDLING AND STORAGE

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HANDLING: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

STORAGE: 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. Keep container closed when not in use. Do not store above 120 deg F.

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					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
n-Butyl acetate	TWA	150	710	150	713		
	STEL			200	950		
1,2,4-trimethylbenzene	TWA			25	123		
2-Methoxy-1-Methylethylacetate	TWA			[1]	[1]	30	
	STEL					90	
2-METHOXYPROPYL ACETATE	TWA			[1]	[1]		

OSHA TABLE COMMENTS:
1. NL = Not Listed

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: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Wear chemical resistant gloves such as: Nitrile or neoprene, or consult your safety equipment supplier. Chemical resistant gloves lined with polyethylene offer maximum protection.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Sec. 8) 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 and a dust/mist prefilter. Where the protection factor may be exceeded, use of a full facepiece supplied air respirator or Self Contained Breathing Apparatus (SCBA) may be necessary.

PROTECTIVE CLOTHING: Wear impervious protective clothing, including boots, gloves, lab coat, apron

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or coveralls, as appropriate, to prevent skin contact.

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

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Auto Ignition (°C)	Solubility in Water	Specific Gravity
n-Butyl acetate	21.85		-77		1%	0.88
2-Methoxy-1-Methylethylacetate	116	140 760 mmHg		272	Appreciable	0.96

PHYSICAL STATE: Liquid

ODOR: Solvent odor.

APPEARANCE: Clear, water-white to yellowish liquid.

pH: Not Applicable

PERCENT VOLATILE: 73.6439

VAPOR PRESSURE: 4.39 mm Hg

VAPOR DENSITY: Heavier than air.

BOILING POINT: 122°C to 129°C

FLASHPOINT AND METHOD: (78°F)

SOLUBILITY IN WATER: Partially Soluble

EVAPORATION RATE: 0.98

SPECIFIC GRAVITY: 0.957

VISCOSITY: Not Available

(VOC): 5.411 LBS./gal.

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Do not store above 120 Deg. F.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide, carbon dioxide, oxides of nitrogen, dense black smoke, Hydrogen cyanide, isocyanate, isocyanic acid and other undetermined compounds.

INCOMPATIBLE MATERIALS: Avoid contamination with strong oxidizing agents and alkalies. Avoid contamination with strong acids or alkalies, especially at elevated temperatures with no free gas space. Keep away from strong oxidizing agents.

LE-22403R PART B REDUCED**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD₅₀ (rat)	DERMAL LD₅₀ (rabbit)	INHALATION LC₅₀ (rat)
n-Butyl acetate	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 23.4 to 29.2 mg/l, exposure time: 4.00 h (Rat)
1,2,4-trimethylbenzene	3400 to 6000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	18000 mg/m ³ , 4 h, (rat)
2-Methoxy-1-Methylethylacetate	8532 mg/kg (Rat)	> 5 mg/kg (Rabbit)	

SKIN EFFECTS: n-butyl acetate skin effects: Acute dermal irritation - Guinea pig, exposure time: 24 h, non-irritating; Human, patch test, exposure time: 48 h, non-irritating, rabbit, non-irritant

REPRODUCTIVE EFFECTS: n-butyl acetate: Embryo or Fetus: Fetotoxicity/ specific Developmental Abnormalities: Musculoskeletal, Inhalation rat TCLO=1500ppm/7H.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: N-Butyl Acetates: Fish: Fathead Minnow LC50=18.0 mg/L; 96 Hr.; Unspecified fish: Bluegill/Sunfish: LC50=100.0 mg/L; 96 Hr.; Static condition water flea EC50= 44.0 mg/L; 48 Hr.; 23 deg. C Algae: LC50=320.0 mg/L; 96 Hr.; Unspecified bacteria: Phytobacterium phosphoreum: EC50=3100.0-130 mg/L; 5, 15 minutes; Microtox test, 15 deg. C

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of waste material according to local, State, Federal, and Provincial Environmental Regulations.

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: (Butyl Acetate, Xylene)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN 1993

PACKING GROUP: III

NAERG: 128

LE-22403R PART B REDUCED**LABEL:** Flammable liquid**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, delayed (chronic) health hazard, and a fire hazard.

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

313 REPORTABLE INGREDIENTS: 1,2,4-trimethyl benzene.

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)

Chemical Name	Wt. %	CERCLA RQ
n-Butyl acetate	< 70	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
n-Butyl acetate	123-86-4
1,2,4-trimethylbenzene	95-63-6
2-Methoxy-1-Methylethylacetate	108-65-6
2-METHOXYPROPANOL	1589-47-5

GENERAL COMMENTS: The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

16. OTHER INFORMATION**PREPARED BY:** Compliance Dept.**HMIS RATING**

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	H

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HMIS RATINGS NOTES: The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the MSDS must be considered. 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.