

MATERIAL SAFETY DATA SHEET

PURGE THINNER



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Tarr, Inc.
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PRODUCT NAME: PURGE THINNER

PRODUCT NUMBER: 4120


UPC NUMBER:

PREPARED BY: Patricia Rodabaugh

DATE PREPARED: 8/2/2002

LAST REVISION: 8/2/2002

SYNONYMS:



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

Print Date: 11/18/2004

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	OSHA PEL	ACGIH TLV	NOTE
Ethyl 3-ethoxypropionate	763-69-9	38-42	N/A	N/A	
butylated hydroxytoluene	000128-37-0	<0.01			
Methyl n-amyl ketone	110-43-0	38-42	100 ppm	50 ppm	
2-Methoxy-1-propyl acetate	70657-70-4	<1.0	none established	none established	
1-Methoxy-2-propyl Acetate	108-65-6	18-22	not established	not established	

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: COMBUSTIBLE. Harmful or fatal if swallowed - can enter lungs and cause damage. May cause eye and skin irritation or injury.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Liquid is mildly irritating to the eyes. High vapor concentrations may also be irritating.

INHALATION: High vapor concentrations may cause drowsiness and irritation.

INGESTION: Expected to be a low ingestion hazard.

SKIN CONTACT: Liquid is moderately irritating to the skin. 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:

Itching, burning or redness of the skin or eyes.

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 syrup of ipecac (or touching finger to the back of victim's throat). Keep victim's head below hips while vomiting. Call doctor.

SKIN CONTACT: Immediately flush the affected area with water removing contaminated clothing. If irritation occurs, get medical attention. do not reuse clothing or shoes 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.

SUPPLEMENTAL HEALTH INFORMATION:

Ethyl 3-ethoxy propionate: Oral LD-50 (male rat): >5 g/kg. Oral LD-50 (female rat): 4.3 g/kg. Inhalation LC-50 (rat): >1000 ppm/6 hours
Kernal LD-50 (guinea pig): >20 mL/kg. See SUPPLEMENTAL HEALTH INFORMATION in section 16 of this MSDS.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 112 F **FLASH POINT METHOD USED:** Tag Closed Cup

AUTOIGNITION: 711 F **LEL:** 0.0111 **UEL:** 0.079

EXTINGUISHING MEDIA:

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

SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Can form peroxides of unknown stability if material becomes uninhibited. Classified as combustible. When heated above the flash point this material emits combustible 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:

Remove all sources of ignition and provide ventilation. Wear protective equipment as given in Section 8. Dike around large spills to prevent spreading. Absorb small spills with inert material (clay, sand). Place in containers for chemical waste. Prevent runoff from entering drains, sewers, streams or surface waters.

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. Personal precautionary measures: Avoid breathing high vapor concentrations. Use with adequate ventilation. Store away from heat and light.

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. Respirator type: organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

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:

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

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 ventillation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

SOLUBILITY IN WATER: Complete solubility with most hydrocarbon solvents, partial solubility with water.

APPEARANCE AND ODOR: Clear, colorless to white liquid with pungent odor.

BOILING POINT:	130 - 170 C	PERCENT VOLATILE:	100
VAPOR PRESSURE:	2.2 mm Hg @ 20 C	PH:	N/A
EVAPORATION RATE:	0.21	MOLECULAR WEIGHT:	NDA
POUNDS PER GALLON:	7.496	VAPOR DENSITY:	Heavier than air
SPECIFIC GRAVITY:	0.8999	OTHER PROPERTIES:	VOC's: 7.496 lbs/gal,898.3 g/l
MELTING POINT:	- 58 F		
FREEZING POINT:	NDA		

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Stabel under normal conditions. Avoid heat, sparks, flame and contact with strong oxidizing agents.

INCOMPATIBILITY:

Strong acids or bases and oxidizers. (Will attack some forms of plastic.)

HAZARDOUS DECOMPOSITION OR BY PRODUCTS:

Carbon monoxide and Carbon dioxide organic compounds may be formed during combustion.

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: Avoid heat, flame, and other sources of ignition.

11. TOXICOLOGY INFORMATION

Ethyl 3-ethoxy propionate: Inhalation study (rat): NOEL for teratogenicity = 1000 ppm (highest concentration tested); LOEL for embryo/fetotoxicity = 1000 ppm; NOEL for embryo/fetotoxicity = 500 ppm; LOEL for maternal toxicity = 250 ppm; NOEL for maternal toxicity = 125 ppm.

12. ECOLOGICAL INFORMATION

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented. Keep out of waterways.

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:	Combustible liquid, n.o.s. (methyl amyl ketone, ethyl 3-ethoxy propionate)	PACKING GROUP:	III
HAZARD CLASS:	combustible	GUIDE NUMBER:	128
UN NUMBER:	NA 1993	DOT CLASS:	Combustible Liquid

15. REGULATORY INFORMATION

HAP content: 0 lbs./gal., DOES NOT MEET; TT-T-2935 Federal Specification for Purging Thinner for the following reasons: Federal Spec: MiAK 40% v +/- 2%, VP 3.2 +/- 0.5 mmHG at 20C, SpGr 20/20 0.899 +/- 0.002. This product: 0% uses MnAK instead. VP 2.2 mmHg at 20 C, SpGr 0.900 +/- 0/002.

16. OTHER INFORMATION

HMIS INFORMATION: **HEALTH:** 2 **FLAMMABILITY:** 2 **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: To the best of our knowledge, this product is not listed as a toxic chemical.

State Right-To-Know CALIFORNIA Proposition 65: This product contains the following chemicals known to the State of California to cause birth defects or other reproductive harm: ethylene glycol monoethyl ether acetate

SUPPLEMENTAL HEALTH INFORMATION: Methyl n-amyl ketone: Oral LD-50 (rat): 1600 mg/kg; oral LD-50 (mouse): 730 mg/kg; inhalation LC-50 (rat): 200-4000 ppm/4 hours; Dermal LD-50 (rabbit): 12.6 mL/kg; Dermal LD-50 (guinea pig): >mgL/kg; skin irritation (rabbit): slight to moderate/skin sensitization (human): none; eye irritation (rabbit): slight.

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.