

MATERIAL SAFETY DATA SHEET

Tarr

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: BLANKET WASH LV

PRODUCT NUMBER: BWLV

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DATE PREPARED: 11/18/1998

SYNONYMS:

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OSHA PEL	ACGIH TLV	Weight %
Dipropylene glycol monomethyl ether	34590-94-8	100 ppm	100 ppm	38-42
Solvent naphtha, light aromatic	64742-95-6	N/A	N/A	11-15
Includes the following 3 constituents:				
Trimethylbenzene, 1,2,4,-	95-63-6	25 ppm	25 ppm	4-8
Xylenes	1330-20-7	100 ppm	100 ppm	<0.5
Cumene	98-82-8	50 ppm	50 ppm	<0.5
Isopropyl alcohol	67-63-0	400 ppm	400 ppm	1-3
Ethylene oxide	75-21-8	*	1ppm(.18 mg/m3)	<1

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: Moderately irritating to the eyes.

INHALATION: Signs and symptoms of excessive exposure may be anesthetic or cause central nervous system (CNS) depression.

INGESTION: Single dose oral toxicity is low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury, swallowing larger amounts may cause injury.

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) or drowsiness.

SIGNS AND SYMPTOMS OF EXPOSURE:

Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea; in extreme cases, unconsciousness and death may occur. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis.

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 victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

SKIN CONTACT: 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.

AGGRAVATED MEDICAL CONDITIONS:

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

SUPPLEMENTAL HEALTH INFORMATION:

Observation in animals include minor liver or kidney effects. Signs and symptoms of excessive exposure may be anesthetic or narcotic effects.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 114 F **FLASH POINT METHOD USED:** Tag Closed Cup

AUTOIGNITION: NDA **FLAMMABLE LIMITS:** LEL: 2.00% UEL: 12.00%

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:

When heated above the flash point this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or spray may be flammable at temperatures below the flash point. Water run off from fire fighting may be slippery.

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). Prevent contamination of surface waters.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

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.

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 CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION (Specify Type):

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 use either an atmosphere-supplying respir. of an air-purifying respir. for organic vapors.

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:

Protection is provided by neoprene, nitrile, and natural rubber gloves.

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

Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required.

WORK/HYGIENIC 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 ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear liquid with characteristic odor.

SOLUBILITY IN WATER:

Soluble in ketones and hydrocarbons, negligible in water

BOILING POINT: 180 F

VAPOR PRESSURE: 32 mmHg. @ 20 C

SPECIFIC GRAVITY: 0.79

MELTING POINT: NDA

FREEZING POINT: NDA

EVAPORATION RATE: Slower than ether

VAPOR DENSITY: Lighter than air

PERCENT VOLATILE: 100

PH: N/A

MOLECULAR WEIGHT: NDA

POUNDS PER GALLON: 8.27

OTHER PROPERTIES: VOC content: 4.38 lbs./gal.

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID:

Stable under normal conditions.

INCOMPATIBILITY:

Strong acids or bases, oxidizers, alkali metals, halogens and excessive heat.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS

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

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID:

Avoid heat, flame, and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

This product may contain ethylene oxide (CAS No. 75-21-8) at a concentration less than 10 ppm.

12. ECOLOGICAL INFORMATION

Avoid uncontrolled releases of this material. 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. TRANSPORT INFORMATION

DOT CLASS: Combustible Liquid

HAZARD CLASS: combustib|e

UN NUMBER: NA 1993

PACKING GROUP: III

GUIDE NUMBER: 128

PROPER SHIPPING NAME: Combustible liquid, n.o.s. (Glycol ether, Naphtha)

15. REGULATORY INFORMATION

This product is a mixture and components are listed in the TSCA Inventory of Chemical Substances.

16. OTHER INFORMATION

HMIS INFORMATION: HEALTH: 1 FLAMMABILITY: 2 REACTIVE: 0 PROTECTION: G

SARA TITLE III DATA

Ethylene oxide (CAS 75-21-8), 1,3,4-trimethyl benzene (CAS 95-63-6), Xylene (CAS 1330-20-7) and Cumene (CAS 98-82-8) is listed as a toxic chemicals under Sec. 313 of SARA Title III. Under Sec. 311/312, this product should be reported as an immediate (acute) health hazard and a fire hazard.

None of the products in this mixture are found on the extremely hazardous substances list (Section 302).

OTHER ADDITIONAL INFORMATION:

N/A = not applicable; NDA = no data available

This product contains a chemical or chemicals known to the State of California to cause cancer and/or reproductive toxicity.

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.