

MATERIAL SAFETY DATA SHEET

BLANKET WASH GAC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Tarr, Incorporated
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PRODUCT NAME: BLANKET WASH GAC

PRODUCT NUMBER: BWGAC

UPC NUMBER:

PREPARED BY: Patricia Rodabaugh

DATE PREPARED: 9/20/2002

LAST REVISION: 7/13/1998

SYNONYMS:

Tarr

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

Print Date: 10/18/2004

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	OSHA PEL	ACGIH TLV	NOTE
Solvent naphtha, light aliphatic	64742-89-8	71-81	300 ppm	300 ppm	
Xylenes	1330-20-7	12-24	100 ppm	100 ppm	
1-Methoxy-2-Propanol	107-98-2	1-7	100 ppm	100 ppm	
Ethyl 3-ethoxypropionate	763-69-9	1-7	N/A	N/A	
Solvent naphtha, light aromatic	64742-95-6	1-7	N/A	N/A	INCLUDING THE COMPONENTS LISTED BELOW:
Trimethylbenzene, 1,2,4,-	95-63-6	2-3	25 ppm	25 ppm	
Cumene	98-82-8	2-3	50 ppm	50 ppm	

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING! Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Liquid is irritating to the eyes. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing or redness.

INHALATION: Vapors may be irritating to the nose, throat, and respiratory tract. High vapor concentrations may cause central nervous system (CNS) depression.

INGESTION: Ingestion of excessive quantities may cause irritation of the digestive tract, and signs of nervous system depression (headache, drowsiness, dizziness, loss of coordination, and fatigue.)

SKIN CONTACT: Liquid is mildly 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:

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, oxygen should be administered by qualified personnel. 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.* (see note to physician, page 5)
- SKIN CONTACT:** Wash affected area with soap and water. If irritation occurs, get medical attention.

AGGRAVATED MEDICAL CONDITIONS:

Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

SUPPLEMENTAL HEALTH INFORMATION:

Male rats exposed by prolonged and repeated inhalation to high vapor concentrations of similar solvents showed evidence of kidney damage. The relevance of this effect to humans is unknown.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 54F

FLASH POINT METHOD USED: Tag Closed Cup

AUTOIGNITION: NDA

LEL: 0.008 **UEL:** 0.138

EXTINGUISHING MEDIA:

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

SPECIAL 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently 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. Vapors may accumulate and travel to ignition sources distant from the handling site: Flash-fire can result. Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

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:

WARNING. Flammable. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency.

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.

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:

Avoid prolonged or repeated breathing of vapors. 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. or 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:

Test data indicate the best protection is provided by neoprene, or 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:

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:

Use explosion-proof ventilation as required to control vapor concentrations.

EXPOSURE GUIDELINES:

Avoid prolonged or repeated breathing of vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

SOLUBILITY IN WATER: soluble in most organic solvents, slightly soluble with water.

APPEARANCE AND ODOR: Colorless, clear liquid. Characteristic odor.

BOILING POINT:	231-355F	PERCENT VOLATILE:	100
VAPOR PRESSURE:	1.5-26	PH:	N/A
EVAPORATION RATE:	Slower than ether	MOLECULAR WEIGHT:	NDA
POUNDS PER GALLON:	6.56	VAPOR DENSITY:	Heavier than air
SPECIFIC GRAVITY:	0.78-0.87	OTHER PROPERTIES:	N/A
MELTING POINT:	NDA		
FREEZING POINT:	NDA		

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Avoid heat, sparks, flame and contact with strong oxidizing agents. Surfaces that are sufficiently hot may ignite even liquid product in the absence of sparks or flame.

INCOMPATIBILITY:

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

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. TOXICOLOGY INFORMATION

This product may contain benzene (CAS No. 71-43-2) at a concentration less than 30 ppm. Laboratory studies have shown that petroleum may cause kidney, liver, or lung damage. Reports have associated repeated, prolonged overexposure to solvents with permanent brain and nervous system damage.

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. TRANSPORTATION INFORMATION

DOT Proper Shipping Name:	Flammable liquids, n.o.s., (Naphtha, Xylenes)	PACKING GROUP:	II
HAZARD CLASS:	3	GUIDE NUMBER:	128
UN NUMBER:	UN 1993	DOT CLASS:	Flammable liquid

15. REGULATORY INFORMATION

This product is listed on the EPA/TSCA inventory of chemical substances. Per 40 CFR part 82, this product does not contain nor was it directly manufactured with any class I or class II ozone depleting substance.

16. OTHER INFORMATION

HMIS INFORMATION: **HEALTH:** 2 **FLAMMABILITY:** 3 **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: Xylenes (1330-20-7), Trimethylbenzene (95-63-6), Cumene (98-82-8)

Solvent naphtha (petroleum), light aromatic is a complex stream of predominately C8 to C10 hydrocarbons; the exact composition and concentrations will vary. Contains naphthalene 0.3 - .10% weight.

Xylene is not listed as a carcinogen by NTP, IARC,

California Proposition 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer. BENZENE.

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.