

# MATERIAL SAFETY DATA SHEET

# Tarr

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** Tarr, Incorporated  
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**PRODUCT NAME:** BLANKET WASH GAC - HAPS FREE

**PRODUCT NUMBER:** BWGHF

**PREPARED BY:** Patricia Rodabaugh

**DATE PREPARED:** 7/13/98

**SYNONYMS:**

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

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name            | CAS       | OSHA PEL         | ACGIH TLV            | Weight % |
|--------------------------|-----------|------------------|----------------------|----------|
| Trichloropropane, 1,2,3- | 96-18-4   | 50 ppm(300mg/M3) | 10ppm(60 mg/M3) SKIN | 97-100   |
| 2-methoxy-1-propanol     | 1589-47-5 |                  |                      | 0-3      |

## 3. HAZARDOUS IDENTIFICATION

### EMERGENCY OVERVIEW:

**WARNING!** Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful.

### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** High vapor concentrations may cause eye irritation.

**INHALATION:** High vapor concentrations may cause drowsiness and irritation.

**INGESTION:** Expected to be a low ingestion hazard.

**SKIN CONTACT:** Low hazard for usual industrial handling or commercial handling by trained personnel.

### SIGNS AND SYMPTOMS OF EXPOSURE:

Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, and nausea.

#### 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention if symptoms persist.

**INHALATION:** Remove victim to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

**INGESTION:** Call a physician or poison control center immediately. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

**SKIN CONTACT:** Flush skin 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. Impaired function from preexisting disorders may be aggravated by exposure to this product.

#### SUPPLEMENTAL HEALTH INFORMATION:

Inhalation LC-50 (rat): >10,000 ppm/4 hour(s), Dermal LD-50 (rabbit): 13,000 - 14,000 mg/kg., skin irritation (rabbit): slight, eye irritation (rabbit): slight.

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES

**FLASH POINT:** 88 F

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

**AUTOIGNITION:** 530 F

**FLAMMABLE LIMITS:** LEL: 1.80% UEL: 16.00%

##### EXTINGUISHING MEDIA:

Use water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or alcohol foam.

##### SPECIAL FIRE-FIGHTING PROCEDURES:

The use of SCBA is recommended for firefighters. Water spray may be used to cool containers exposed to heat or flame. Water may be ineffective in fighting the fire.

##### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Flammable. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Forms peroxides of unknown stability.

##### COMBUSTION PRODUCTS:

Carbon monoxide and carbon dioxide 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. Absorb small spills with vermiculite or other inert material, then place in a container for chemical waste. For large spills: Use water spray to disperse vapors and dilute spill to a nonflammable mixture. Prevent runoff from entering drains, sewers, or streams.

## **7. HANDLING AND STORAGE**

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Keep away from heat, sparks, and flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Keep from contact with oxidizing materials. Keep container closed. Store away from heat and light.

### **OTHER PRECAUTIONS:**

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. or an air-purifying respir. for organic vapors.

#### **VENTILATION:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

#### **PROTECTIVE GLOVES:**

It is a good industrial hygiene practice to minimize skin contact.

#### **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/HYGIENIC PRACTICES:**

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

#### **ENGINEERING CONTROLS:**

Facilities storing or utilizing this material should be equipped with an 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, colorless liquid with ether odor.

### SOLUBILITY IN WATER:

soluble

**BOILING POINT:** 248 F

**VAPOR PRESSURE:** 14.7 mmHg. @ 20 C

**SPECIFIC GRAVITY:** 0.915

**MELTING POINT:** -143 F

**FREEZING POINT:** NDA

**EVAPORATION RATE:** Slower than ether

**VAPOR DENSITY:** Heavier than air

**PERCENT VOLATILE:** 100

**PH:** N/A

**MOLECULAR WEIGHT:** 90.12

**POUNDS PER GALLON:** 7.50

**OTHER PROPERTIES:** Evaporation rate: 0.66

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

### CONDITIONS TO AVOID:

Forms peroxides of unknown stability. Avoid strong alkalies and oxidizing agents.

### INCOMPATIBILITY:

Strong oxidizers.

### HAZARDOUS DECOMPOSITION OR BY PRODUCTS

Carbon monoxide and carbon dioxide may be formed during combustion.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

### CONDITIONS TO AVOID:

Avoid heat, flame, and other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

Not list as a carcinogenicity classification (components present at 0.1% or more): IARC: not listed, ACGIH: not listed, NTP: not listed, OSHA: not listed.

## 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:** Flammable liquid

**HAZARD CLASS:** 3

**UN NUMBER:** UN 1268

**PACKING GROUP:** III

**GUIDE NUMBER:** 128

**PROPER SHIPPING NAME:** Petroleum distillates, n.o.s. (1,2,3-trichloropropane)

### 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: 3 FLAMMABILITY: 3 REACTIVE: 0 PROTECTION: G

#### SARA TITLE III DATA

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

#### OTHER ADDITIONAL INFORMATION:

N/A= Not applicable; NDA= No data available

IARC = International Agency for Research on Cancer

ACGIH = American Conference of Governmental Industrial Hygienists

NTP = National toxicology Program

OSHA = Occupational Safety and Health Administration

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