

# MATERIAL SAFETY DATA SHEET

## SOLVENT EEP

# Tarr

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** Distributed by Tarr, Incorporated  
P. O. Box 12570  
Portland, OR 97212

**INFORMATION PHONE:** 503-288-5294

**EMERGENCY PHONE:** CHEMTREC 800-242-9300 (US) Day or night  
International Call Collect CHEMTREC 202-483-7616

**PRODUCT NAME:** SOLVENT EEP

**PRODUCT NUMBER:** SEEP

**UPC NUMBER:**

**PREPARED BY:** Patricia Rodabaugh

**DATE PREPARED:** 9/23/2002

**LAST REVISION:** 9/7/1999

**SYNONYMS:** KAN 970309; PM 1240-00

Portland, Oregon  
Phoenix, Arizona  
Anburn, Washington  
Vancouver, Washington

Print Date: 9/23/2002

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name            | CAS #       | Weight % | OSHA PEL | ACGIH TLV |
|--------------------------|-------------|----------|----------|-----------|
| Ethyl 3-ethoxypropionate | 763-69-9    | >99.99   | N/A      | N/A       |
| butylated hydroxytoluene | 000128-37-0 | <0.01    |          |           |

### 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 EFFECT

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

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

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

**SKIN CONTACT:** Mildly irritating to the skin. Minimize skin contact.

#### 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:** Get medical attention immediately.

**SKIN CONTACT:** Flush skin with 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:**

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.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

**FLASH POINT:** 136 F

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

**AUTOIGNITION:** 711 F

**LEL:** 0.01 **UEL:**

**EXTINGUISHING MEDIA:**

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

**SPECIAL FIRE FIGHTING PROCEDURES:**

The use of SCBA is recommended for firefighters. Water spray may used to cool containers exposed to heat or flame.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Forms peroxides of unknown stability if material becomes uninhibited. Classified as combustible.

**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:**

Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. For large spills: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

**7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

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:**

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

**PROTECTIVE GLOVES:**

Test data indicate the best protection is provided by neoprene, nitrile, and natural rubber gloves.

**EYE PROTECTION:**

Safety glasses with side shields or chemical goggles.

**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:**

Avoid prolonged or repeated breathing of vapors

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

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

|                           |                   |                          |                  |
|---------------------------|-------------------|--------------------------|------------------|
| <b>BOILING POINT:</b>     | 329 F             | <b>PERCENT VOLATILE:</b> | 100              |
| <b>VAPOR PRESSURE:</b>    | 1.5 mmHg @ 20 C   | <b>PH:</b>               | N/A              |
| <b>EVAPORATION RATE:</b>  | Slower than ether | <b>MOLECULAR WEIGHT:</b> | NDA              |
| <b>POUNDS PER GALLON:</b> | 7.91              | <b>VAPOR DENSITY:</b>    | Heavier than air |
| <b>SPECIFIC GRAVITY:</b>  | 0.95              | <b>OTHER PROPERTIES:</b> |                  |
| <b>MELTING POINT:</b>     | -58 F             |                          |                  |
| <b>FREEZING POINT:</b>    | NDA               |                          |                  |

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Stable under normal conditions.

**INCOMPATIBILITY:**

Strong oxidizers.

**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**

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.

**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

|                      |                    |                              |   |
|----------------------|--------------------|------------------------------|---|
| <b>DOT CLASS:</b>    | Combustible Liquid | <b>PACKING GROUP:</b>        | III   |
| <b>HAZARD CLASS:</b> | combustible        | <b>GUIDE NUMBER:</b>         | 128   |
| <b>UN NUMBER:</b>    | NA 1993            | <b>PROPER SHIPPING NAME:</b> | Combustible liquid, n.o.s. (ethyl 3-ethoxypropionate) |

#### 15. REGULATORY INFORMATION

SARA (U.S.A.) Section 311 and 312 hazard classification(s): fire hazard.

#### 16. OTHER INFORMATION

**HMS 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 and a fire hazard.

**SARA 313:** To the best of our knowledge, this product is not listed as a toxic chemical.

**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.