

# MATERIAL SAFETY DATA SHEET

## DUREX 2-CYCLE CHAINSAW MIX 40-1

### 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 800-424-9300 (US) Day or night**  
International Call Collect CHEMTREC 202-483-7616

**PRODUCT NAME:** **DUREX 2-CYCLE CHAINSAW MIX 40-1**

**PRODUCT NUMBER:** D2CCM

**UPC NUMBER:**

**PREPARED BY:** Patricia Rodabaugh

**DATE PREPARED:** 8/22/2002

**LAST REVISION:** 8/22/2002

**SYNONYMS:** Generic Name: Petroleum Based Lubricating Oil

# Tarr

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

**Print Date:** 10/28/2004

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS #      | Weight % | OSHA PEL | ACGIH TLV | NOTE |
|------------------|------------|----------|----------|-----------|------|
| Refined Base Oil | 64742-55-8 | 100      | 5 mg/m3  | 5 mg/m3   |      |

### 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** CAUTION! Harmful if swallowed. May cause kidney, liver or lung damage. Skin irritation may occur.

#### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** This product is practically non-irritating to the eyes upon direct contact. Based on testing or similar products and/or components.

**INHALATION:** This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. caution should be taken to prevent aerosolization or misting of this product. This permissible exposure limit (PEL) and threshold limit value (TLV) for this product as oil mist is 5 MG/M3. Exposures below 5 MG/M3 appear to be without significant health risk. The short-term exposure limit for this product as an oil mist is 10 MG/M3.

**INGESTION:** Do not ingest. Ingestion is relatively non-toxic unless aspiration occurs. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting with a further risk of aspiration. This product has laxative properties and may result in abdominal cramps and diarrhea. See health data section below.

**SKIN CONTACT:** Avoid skin contact. This product may cause slight skin irritation upon direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Prolonged or repeated contact may result in oil acne which is characterized by blackheads with possible secondary infection. See health data section below.

#### SIGNS AND SYMPTOMS OF EXPOSURE:

Itching, burning or redness of the skin.

## 4. FIRST AID MEASURES

- EYE CONTACT:** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides and for at least 15 minutes while holding eyelids open. If material is hot, treat for thermal burns and take victim to hospital immediately.
- INHALATION:** This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.
- INGESTION:** DO NOT INDUCE VOMITING. Do not induce vomiting due to aspiration hazard. If vomiting occurs, lower head below knees to avoid aspiration. Seek immediate medical attention.
- SKIN CONTACT:** Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

### AGGRAVATED MEDICAL CONDITIONS:

On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms.

### SUPPLEMENTAL HEALTH INFORMATION:

The International Agency for research on cancer has concluded that highly refined mineral oils are group 3 substances, "Not classifiable as to their carcinogenicity to humans," based on inadequate human and inadequate animal evidence. This substance is not carcinogenic according to the OSHA hazard communication standard.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

**FLASH POINT:** 175F

**FLASH POINT METHOD USED:** C. O. C.

**AUTOIGNITION:** 587 F

**LEL:** 0 **UEL:** 0

### EXTINGUISHING MEDIA:

Use foam, dry chemical, or CO<sub>2</sub>.

### SPECIAL FIRE FIGHTING PROCEDURES:

Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot burning liquid.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

### 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:

Notify appropriate authorities of spill. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

## 7. HANDLING AND STORAGE

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

Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials. This product is not classified as hazardous under DOT regulations. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106 - Flammable and combustible liquids.

### 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, use a NIOSH approved respirator to prevent overexposure. Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. Do not use compressed oxygen in hydrocarbon atmospheres.

### 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:

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures use impervious gloves. If handling hot material, use insulated protective gloves.

### EYE PROTECTION:

Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.) Launder soiled clothes. Properly dispose of contaminated leather

### 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:

If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

### 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

**SOLUBILITY IN WATER:** Negligible in water.

**APPEARANCE AND ODOR:** Clear, purple liquid with characteristic odor.

|                           |                    |                          |                  |
|---------------------------|--------------------|--------------------------|------------------|
| <b>BOILING POINT:</b>     | 310 F              | <b>PERCENT VOLATILE:</b> | 15 - 20          |
| <b>VAPOR PRESSURE:</b>    | NDA                | <b>PH:</b>               | N/A              |
| <b>EVAPORATION RATE:</b>  | Slower than ether. | <b>MOLECULAR WEIGHT:</b> | 325              |
| <b>POUNDS PER GALLON:</b> |                    | <b>VAPOR DENSITY:</b>    | Heavier than air |
| <b>SPECIFIC GRAVITY:</b>  | 0.88               | <b>OTHER PROPERTIES:</b> |                  |
| <b>MELTING POINT:</b>     | NDA                |                          |                  |
| <b>FREEZING POINT:</b>    | NDA                |                          |                  |

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None identified.

**INCOMPATIBILITY:**

May react with strong oxidizing agents. Do not use compressed oxygen in hydrocarbon atmospheres.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** None identified.

**11. TOXICOLOGY INFORMATION**

Laboratory studies have shown that petroleum distillates may cause kidney, liver, or lung damage. reports have associated repeated and 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**

All disposal must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

**14. TRANSPORTATION INFORMATION**

**DOT Proper Shipping Name:** Not DOT Regulated

**PACKING GROUP:** N/A

**GUIDE NUMBER:** N/A

**HAZARD CLASS:** N/A

**DOT CLASS:** Not a hazardous material

**UN NUMBER:** N/A

**15. REGULATORY INFORMATION**

The components of this product are listed on the EPA/TSCA inventory of chemicals. This product is condered an oil under 49 CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3,500 gallons or more, it is subject to the requirements of part 130.

**16. OTHER INFORMATON**

**HMIS INFORMATION:**    **HEALTH:** 1    **FLAMMABILITY:** 1    **REACTIVITY:** 0    **PROTECTIVE:** X

**SARA Title III Information:**

**SARA 302:** Not listed as an extremely hazardous substance.

**SARA 311/312:** No to all 5 catagories.

**SARA 313:** 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.