

MATERIAL SAFETY DATA SHEET

DIMETHYL FLUID 50 C.S.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: 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: **DIMETHYL FLUID 50 C.S.**

PRODUCT NUMBER: DMF50

UPC NUMBER:

PREPARED BY: Patricia Rodabaugh

DATE PREPARED: 10/11/2002

LAST REVISION: 11/23/2001

SYNONYMS: DIMETHYLPOLYSILOXANE



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
---------------	-------	----------	----------	-----------	------

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING! Liquid and vapor may be irritating to eyes and skin.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Material may cause eye irritation. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness.

INHALATION: No hazard in normal industrial use.

INGESTION: No hazard in normal industrial use.

SKIN CONTACT: May be mildly irritating to the skin.

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: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if breathing difficulties develop.

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: Wash affected area with soap and water. If irritation occurs, get medical attention.

AGGRAVATED MEDICAL CONDITIONS:

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

SUPPLEMENTAL HEALTH INFORMATION:

None identified

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 392 F

FLASH POINT METHOD USED: Tag Closed Cup

AUTOIGNITION:

LEL: 0 **UEL:** 0

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:

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.

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. HANLDING 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:

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-suppling 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, 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:

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: Solubility negligible in water

APPEARANCE AND ODOR: Clear, water-white liquid with characteristic odor.

BOILING POINT: >300 F

PERCENT VOLATILE:

VAPOR PRESSURE: <5 F

PH:

EVAPORATION RATE: Slower than ether

MOLECULAR WEIGHT:

POUNDS PER GALLON:

VAPOR DENSITY: Heavier than air

SPECIFIC GRAVITY: 0.960

OTHER PROPERTIES: Evaporation Rate: negligible

MELTING POINT: N/A

FREEZING POINT:

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Avoid heat, sparks, flame and contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 deg. F.

INCOMPATIBILITY:

Acids, bases, or 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

NDA

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: NOT DOT REGULATED

PACKING GROUP:

GUIDE NUMBER:

HAZARD CLASS:

DOT CLASS:

NOT DOT REGULATED

UN NUMBER:

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:** 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **PROTECTIVE:** A

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: To the best of our knowledge, this product is not reportable.

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.