



# Material Safety Data Sheet

## Section 1 — Chemical Product And Company Identification

Manufacturer: LHB Industries Emergency Telephone Number (800) 424-9300 (Chemtrec)  
8833 Fleischer Place Information Telephone Number (314) 423-4333  
Berkeley, MO 63134 Date of Preparation June 2, 2008

Product ID: ReDo Total Office Correction Fluid  
Specification: A-A-212, Type III, Size 1  
LHB Part Number: 0874---370  
National Stock Number: 7510-01-333-6242  
CAGE Code: 0FTT5  
Contract Number: GS-14F-59980

## Section 2 — Composition / Information On Ingredients

CAS No.	Ingredient	Wt% (Max)	ACGIH TLV	OSHA PEL	Vapor Pressure (mm Hg 20°C)
64742-89-8	VM&P Naphtha	20.0	400 ppm	NE	ND
142-82-5	Heptane	15.0	350 ppm	NE	ND

## Section 3 — Hazards Identification

### ROUTES OF EXPOSURE:

Exposure may be by Inhalation, Ingestion, Skin, and Eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

### EFFECTS OF OVEREXPOSURE:

Inhalation – Excessive inhalation of vapors can cause nasal and respiratory irritation and central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Ingestion – Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Acute: Aspiration hazard, headache, nausea, drowsiness, breathlessness, fatigue, central nervous system depression, convulsion and loss of consciousness.

Chronic Hazards – Signs and symptoms of exposure to this material through breathing, swallowing and/or passage of the material through skin may include: mouth and throat irritation, gastrointestinal irritation (nausea, vomiting, diarrhea), Irritation (nose, throat, respiratory tract), tightness in the chest, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), muscle weakness, and impaired coordination.

## Section 4 — First Aid Measures

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

SKIN CONTACT: Immediately flush skin with plenty of soap and water while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing and shoes before reuse.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Consult medical personnel.

INGESTION: DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.

## Section 5 — Fire Fighting Measures

FLASH POINT: 13 °F (PMCC) LEL: 1.0 UEL: 11.6  
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemicals and Foam  
SPECIAL EXPOSURE HAZARDS: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights.  
SPECIAL PROTECTIVE EQUIPMENT: Fire fighters should wear full protective clothing, including self-contained breathing equipment.  
NFPA RATING: HEALTH 1, FLAMMABILITY 3, REACTIVITY 0  
HMIS CLASSIFICATION: HEALTH 1, FLAMMABILITY 3, REACTIVITY 0

## Section 6 — Accidental Release Measures

PERSONAL PRECAUTIONARY MEASURES: Avoid inhalation. Use good ventilation. Eliminate all Ignition sources. Read entire label before using and follow all label directions.

ENVIRONMENTAL PRECAUTIONARY PROCEDURE FOR CLEANING/ABSORPTION: Wipe, scrape or soak up contents in an inert material. Pick up spill for recovery or disposal and place in a closed container. Dispose of in accordance with applicable Federal, State & Local regulations.

## Section 7 — Handling and Storage

Wash hands thoroughly after handling. Keep containers closed and away from heat when not in use. Avoid contact with skin or clothing.

## Section 8 — Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Local Exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled to below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

GLOVES: None required for normal application.

SKIN PROTECTION: Wash promptly when skin becomes contaminated.

EYES: Safety glasses.

OTHER PERSONAL PROTECTION DATA: Use only with adequate ventilation. Avoid contact with skin and eyes.



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## Section 9 — Physical and Chemical Properties

PHYSICAL STATE:	Liquid
COLOR:	Opaque White
ODOR:	Mild
SPECIFIC GRAVITY:	1.4675
DENSITY:	12.23 lb/gal
VAPOR DENSITY (AIR=1)	Heavier than air
EVAPORATION RATE:	Faster than butyl acetate
SOLUBILITY IN WATER:	Insoluble

## Section 10 — Stability and Reactivity

CHEMICAL STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	Avoid strong oxidizers, excessive heat, sources of ignition
MATERIAL TO AVOID:	Strong bases. Oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide, and Carbon Dioxide

## Section 11 — Toxicological Information

TOXICOLOGY DATA (listed if available)

## Section 12 — Ecological Information

ECOLOGICAL INFORMATION: No data available

## Section 13 — Disposal Considerations

DISPOSAL OF WASTE METHOD: Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

## Section 14 — Transport Information

### U.S. DOT 49 CFR 172.101 Hazardous Material Table

DOT STATUS:	Consumer Commodity
DOT SHIPPING NAME:	ORM-D

### IATA: List of Dangerous Goods

PROPER SHIPPING NAME:	Flammable liquid, n.o.s. (Naphtha/Heptanes)
HAZARD CLASS OR DIVISION:	3
IDENTIFICATION NUMBER:	UN1993
PACKING GROUP:	II

## Section 15 — Regulatory Information

U.S. REGULATORY RULES	
SARA SECTION 302	None
SARA 313 CHEMICALS	Heptane
CALIFORNIA PROPOSITION 65	None
TSCA CERTIFICATION	All chemicals in this product are listed, or are exempt from listing on the TSCA Inventory.

VOC CONTENT	3.77 lbs/gal, 452 grams/L
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## Section 16 — Other Information

REVISION NUMBER: 06

ADDITIONAL INFORMATION: This MSDS has been prepared in accordance with FED-STD-313D and meets the requirements of 29 CFR 1910.1200.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

Prepared by: Mark Epstein, R&D Manager

\*\*\* END OF MSDS\*\*\*