



Material Safety Data Sheet

Section 1 — Chemical Product And Company Identification

Manufacturer: LHB Industries Emergency Telephone Number (800) 424-9300 (Chemtec)
8833 Fleischer Place Information Telephone Number (314) 423-4333
Berkeley, MO 63134 Date of Preparation October 9, 2003

Product ID: Corrosion Preventative Compound, 1 Gallon
Specification: MIL-C-81309E, Type II, Class 1
LHB Part Number: 0954---003
National Stock Number: 8030-00-213-3279
CAGE Code: OFFT5
Contract No.: GS-10F-40540/40541

Section 2 — Composition / Information On Ingredients

CAS No.	Ingredient	Wt%	ACGIH TLV	OSHA PEL
64742-96-7	Solvent Naphtha, Heavy Aliphatic	50.0	100 ppm	NE
Mixture	Barium Compounds (as Ba.)	<2.0	NE	NE

Section 3 — Hazards Identification

ROUTES OF EXPOSURE: Exposure may occur via inhalation, ingestion, skin absorption and skin or eye contact.
HEALTH HAZARDS: Combustible Liquid. Vapors are moderately irritating to the respiratory passages. The liquid when accidentally aspirated into the lungs can cause severe inflammation of the lung. Vapors are moderately irritating to the eyes.

Section 4 — First Aid Measures

EYES: Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If irritation occurs and persists, obtain medical attention.
SKIN: Flush affected skin with lukewarm water for at least 15 minutes while removing contaminated clothing. Obtain medical attention as soon as possible after first aid has been initiated and completed.
INGESTION: Do not induce vomiting. Guard against aspiration into the lungs by having the individual turn on to their left side. Do not give anything by mouth to an unconscious person. If vomiting occurs spontaneously keep head below hips to prevent aspiration of liquid into lungs. Obtain medical attention.
INHALATION: Remove victim from further exposure and restore breathing, if required. Obtain medical attention.

Section 5 — Fire Fighting Measures

FLASH POINT >142°F TCC LEL: NA UEL: NA
EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Water Fog, Foam
FIREFIGHTING PROCEDURES: Wear full protective fire gear including self-contained breathing apparatus operated in the positive pressure mode with full-face piece, coat, pants, gloves and boots. Water may cause splattering. Material floats on water. Use water to cool containers exposed to fire.
NFPA RATING: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0
HMIS CLASSIFICATION: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Section 6 — Accidental Release Measures

Issue warning "Combustible". Eliminate all ignition sources. Handling equipment must be grounded. Isolate hazard area and restrict access. Wear appropriate breathing apparatus (if applicable) and protective clothing. Absorb residue or spills with absorbent material and remove to non-leaking containers for disposal. Dispose of material as noted under Section 13 — Disposal Considerations.

Section 7 — Handling and Storage

HANDLING: Combustible. Hot surfaces may be sufficient to ignite liquid even in the absence of sparks or flames. Vapors may accumulate and travel to distant ignition sources and flashback. Empty containers are hazardous, may contain flammable dusts, residues or vapors. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Air-dry contaminated clothing in a well ventilated area before laundering. Avoid breathing vapors and prolonged or repeated contact with skin. Launder contaminated clothing prior to reuse. Use good personal hygiene.

STORAGE: Store in a cool, dry, well-ventilated area, away from heat and ignition sources. Use explosion-proof ventilation to prevent vapor accumulation.

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.
SKIN PROTECTION: Impervious gloves (Viton, Nitrile) should be worn at all times when handling this material. In confined spaces or where risk of skin exposure is much higher, impervious clothing should be worn.
EYES: Chemical safety goggles and/or full face shield to protect eyes and face, if product is handled such that it could be splashed into eyes.

Section 9 — Physical and Chemical Properties

PHYSICAL STATE: Liquid
COLOR: Dark Brown
ODOR: Solvent
SPECIFIC GRAVITY: 0.826
DENSITY: 6.89 lb/gal
VAPOR DENSITY (AIR=1) Not Determined
SOLUBILITY IN WATER: Insoluble

Section 10 — Stability and Reactivity

CHEMICAL STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Avoid excessive heat, open flames and all ignition sources.
MATERIAL TO AVOID: Avoid contact with strong oxidizing agents and acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of barium will be formed.



Material Safety Data Sheet

Section 11 — Toxicological Information

Solvent Naphtha (Petroleum), Heavy Aliphatic:
LC50 Inhalation Rat > Saturated Air mg/m³ for 4 hours
LD50 Dermal > 4 mL/kg
LD50 Oral Rat > 8 mL/kg

Section 12 — Ecological Information

Environmental Effects: Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways. Block off drains and ditches. May be harmful to aquatic life.

Section 13 — Disposal Considerations

DISPOSAL OF WASTE METHOD: This material, if discarded, is a hazardous waste under RCRA Regulation 40 CFR 261. Waste management should be in compliance with federal, state, and local laws. 2.05% as barium Ba.

Section 14 — Transport Information

U.S. DOT: 49 CFR 172.101 Hazardous Materials Table
PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS OR DIVISION: None
IDENTIFICATION NUMBER: None
PACKING GROUP: None

IATA: List of Dangerous Goods
PROPER SHIPPING NAME: Not Regulated
HAZARD CLASS OR DIVISION: None
IDENTIFICATION NUMBER: None
PACKING GROUP: None

Section 15 — Regulatory Information

U.S. REGULATORY RULES
SARA SECTION 302: None
SARA 313 CHEMICALS: Barium Compounds (2.05% as Ba)
CALIFORNIA PROPOSITION 65: None
RCRA STATUS: This material is classified as a hazardous waste.
TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing on the TSCA Inventory.

VOC CONTENT: 429 g/L or 3.58 lbs/gal

Section 16 — Other Information

REVISION NUMBER: 03

ADDITIONAL INFORMATION: This MSDS is 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.

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*** END OF MSDS***