

MATERIAL SAFETY DATA SHEET

Mater Lube N/C

MSDS DATE: 11/10/11

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Master Lube N/C

MANUFACTURER: Beaver Research

ADDRESS: 3700 Kilgore Road
Portage, MI 49002

PRODUCT USE: Penetrant Lubricant

EMERGENCY PHONE: 1-800-231-0454

CHEMTEL PHONE: 1-800-255-3924

OTHER CALLS: 269-382-0133

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>
Isoparaffinic Hydrocarbon	64742-47-8	5 mg/m3	5 mg/m3
Mineral Oil	8042-47-5	5 mg/m3	5 mg/m3
Octamethylcyclotetrasiloxane	556-67-2	N/A	N/A
Dipropylene Glycol Monomethyl Ether	34590-94-8	100 ppm	100 ppm
Carbon Dioxide	124-38-9	5000 ppm	5000 ppm

SECTION 2 NOTES: All of the ingredients contained in this product are listed on the TSCA inventory.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Aerosol under pressure do not expose to high temperatures or store in direct sunlight. Pressure can cause can to burst. Aspiration hazard if ingested.

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

POTENTIAL HEALTH EFFECTS

EYES: Irritation, reddening

SKIN: May cause localized dryness, and defat the skin if over exposed.

INGESTION: Gastric discomfort May cause nausea and/ or diarrhea, aspiration hazard. May be a health hazard if ingested in large quantities.

INHALATION: Excessive exposure can cause dizziness and unconsciousness.

ACUTE HEALTH HAZARDS: See Above

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis. Prolonged or high exposures may cause CNS effects and liver and kidney changes.

CARCINOGENICITY: OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:**

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Contact physician if irritation persists. **SKIN:** Wash with soap and water for 15 minutes. If irritation develops seek medical attention. **INGESTION:** Contact physician; do not induce vomiting unless directed by medical authority. **INHALATION:** Move to fresh air. If not breathing administer artificial respiration. Consult physician. **NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR (% BY VOLUME): LOWER: 1 UPPER: 6

FLASH POINT: F: >200 C: >93 **METHOD USED:** TCC

AUTOIGNITION TEMPERATURE: F: N/A C: N/A

NFPA HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER:

HMIS HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 PROTECTION: A

EXTINGUISHING MEDIA: ABC Dry chemical fire extinguisher, CO2, Water Spray or Alcohol-resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable. Contents under pressure. Exposure to temperatures above 120F can cause bursting. Keep away from heat, sparks and open flames. Flash point based on liquid less propellant.

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon

MATERIAL SAFETY DATA SHEET

Mater Lube N/C

MSDS DATE: 11/10/11

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Remove any source of heat, flame, or sparks. Evacuate affected area. Mop up with appropriate absorbent material. Avoid breathing fumes ventilate area. Dispose of residue in accordance with federal, state and local guidelines. Do not reuse empty container. Do not puncture or incinerate container. Wrap container and place in trash collection. Small releases may be wiped up with wiping material.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat or open flame. Exposure to temperatures above 120 F may cause bursting. Use with adequate ventilation. Store in accordance with NFPA, state and local regulations.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION: Normal, forced ventilation should not be required

RESPIRATORY PROTECTION: N/A

EYE PROTECTION: Safety glasses are always recommended when using chemicals.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

SKIN PROTECTION: N/A

WORK HYGIENIC PRACTICES: Wash hands after use.

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Slightly hazy light amber color

ODOR: Bland odor.

PHYSICAL STATE: Liquid

pH AS SUPPLIED: N/A

BOILING POINT: F: 352 C: 177.78

MELTING POINT: F: N/A C:

FREEZING POINT: F: N/A C:

PERCENT SOLIDS BY WEIGHT: N/A

VAPOR PRESSURE (mmHg): > 2 @ F: 68 C: 20

VAPOR DENSITY (AIR = 1): > 2 @ F: 68 C: 20

SPECIFIC GRAVITY (H₂O = 1): 0.80 @ F: 68 C: 20

EVAPORATION RATE (Butyl Acetate =1): < 1

SOLUBILITY IN WATER: 0%

PERCENT VOLATILE: 13.98% BY WT/ BY VOL @ F: 77 C: 25

VOLATILE ORGANIC COMPOUNDS (VOC): WITH WATER: LBS/GAL WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: mixture N/A

VISCOSITY: N/A @ F: C:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE X UNSTABLE

CONDITIONS TO AVOID (STABILITY): Temperatures above 120F, heat, sparks, and open flames

INCOMPATIBILITY (MATERIAL TO AVOID): May affect certain plastics and strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: None

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Isoparaffinic Hydrocarbon - 64742-47-8 – Oral LD50 >15000 mg/kg, Dermal LD50 >3160 mg/kg

Mineral oil - 8042-47-5 - Oral LD50 >5 g/kg, Dermal LD50 >2 g/kg, Inhalation (Rat) LC50 > 5mg/L

Dipropylene Glycol Monomethyl Ether - 34590-94-8 – Oral (Rat) LD50 5180 mg/kg, Dermal (rabbit) LD50 9500 mg/kg,

Inhalation (Rat) LC50 >500 ppm/7hr.

Octamethylcyclotetrasiloxane - 556-67-2 - LD50 Oral - rat - > 2,000 mg/kg, LC50 Inhalation - rat - 4 h - 36,000 mg/m³, LD50

Dermal - rabbit - > 4,640 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

MATERIAL SAFETY DATA SHEET

Mater Lube N/C

MSDS DATE: 11/10/11

ECOLOGICAL INFORMATION: Contains oil do not let residue come in contact with waterways in the United States

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Use sand or other non-combustible absorbent material to clean up spill and place in container for later disposal. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container. Waste likely considered D001, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: ORM-D

HAZARD CLASS:

PACKING GROUP:

ID NUMBER:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Call manufacturer

HAZARD CLASS:

PACKING GROUP:

ID NUMBER:

LABEL STATEMENTS:

AIR TRANSPORTATION Call manufacturer

PROPER SHIPPING NAME:

HAZARD CLASS:

PACKING GROUP:

ID NUMBER:

LABEL STATEMENTS:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): None

311/312 HAZARD CATEGORIES: Combustible Liquid, Reproductive hazard

313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: This product contains no known chemicals regulated by California's proposition 65.

Dipropylene Glycol Monomethyl Ether - 34590-94-8 - Right to Know: New Jersey, Massachusetts, Pennsylvania.

Octamethylcyclotetrasiloxane - 556-67-2 - Right to Know: New Jersey, Pennsylvania.

INTERNATIONAL REGULATIONS: Australia (AICS), Canada (DSL), China, Europe (EINECS), Japan (ENCS), Korea (ECL), Philippines (PICCS)

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: Juanita Mercure

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However there is no assumption of any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this MSDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.