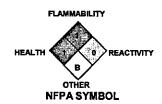
Health Flammability 1 Reactivity 0 В PP

MATERIAL SAFETY DATA SHEET

Marine Grade Anti-Seize



HMIS SYMBOL

270-043

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Marine Grade Anti-Seize MAKAS~ /

Chemical Family:

MAKASTO

Use:

Equipment lubrication, lubricant for threaded

connections or slides

Manufacturer/Supplier:

Jet-Lube of Canada Ltd. 3820 - 97 Street NW Edmonton, Alberta Canada T6E 5S8

Phone: (780) 463-7441 Fax: (780) 463-7454 CCOHS: 1-800-668-4284

Emergency:

CANUTEC PH: (613) 996-6666 Cell: *666 TTY/TDD: 1-888-675-6863

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Natural <u>Graphite</u>	Limestone	Molybdenum Disulphide	Zinc Oxide
CAS NO.	7782-42-5	1317-65-3	1317-33-5	1314-13-2
WT %	10 - 30	1 - 5	1-5	5 - 10
OSHA PEL	2.5 mg/m ³	Not Available	15 mg/m³, as Mo	5 mg/m ³
ACGIH TLV	2.0 mg/m ³	Not Available	15 mg/m ³ , as Mo	5 mg/m ³
LD50	Not Available	Not Available	>6 g/kg (rat, oral)	7950 mg/kg (mouse)
LC50	Not Available	Not Available	Not Available	Not Available

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry:

Eyes, Inhalation, Ingestion, Skin May cause irritation to eyes.

Eyes: Inhalation:

Viscous nature may block breathing passages if inhaled.

Ingestion:

May cause diarrhea if ingested.

Skin:

May cause irritation after prolonged skin exposure, especially for

persons with hypersensitivity.

SECTION 4 - FIRST AID MEASURES

Eyes:

Flush with water for 15 minutes. If irritation persists, seek medical

Ingestion: Do not induce vomiting. Wash out mouth. Contact a physician immediately.

Skin:

Remove by wiping or with a waterless hand cleaner, followed by

washing with soap and water.

Inhalation: Clear air passage. If breathing difficulty continues seek medical help.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability:

Nil at ambient temp

Extinguishing Media:

Use dry chemicals, foam, halon, CO₂

Flash Point (OC):

>221°C (430°F)

Explosive Properties:

LEL - 0.9% UEL - 7%

Autoignition Temp:

>260°C (500°F)

Explosion Data:

Sensitivity to Static Discharge - Not Available

Sensitivity to Impact - Not Available

Hazardous Combustion Products:

Oxides of carbon, smoke and irritating vapors

as products of incomplete combustion.

Protective Equipment:

Self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Scoop up excess, then wipes down the affected area and pick up residue

with diatomaceous earth to avoid a walking hazard. Environmental Precautions: Do not allow product to enter into drains.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures:

No special handling precautions necessary, Do not

pressurize, cut, heat or weld empty containers.

Storage Requirements:

Store in a cool, well ventilated place.

Engineering Controls: If user's operation generates vapors or mists, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make up air should always be supplied to balance air removed by exhaust ventilation. Ensure eyewash station and safety shower are close to work station.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

See Section 2 for Component Exposure Limits

Personal Protective Equipment (PPE's):

Respiratory Protection: Hand Protection:

None required.

Protective gloves for hypersensitive persons.

Eve Protection:

Protective glasses if applied to moving parts.

Body Protection:

Protective overalls

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Odor Threshold

Vapor Pressure: **Boiling Point:**

Not Available <0.01 kPa Not Available Neutral

Odor/Appearance: Specific Gravity: Vapor Density: Melting Point: % Volatile: Water Solubility:

Slight/Blue 1.27 Typical Not Available 232°C Nil Nii

Density: 1.27 g/cm³ Evaporation Rate (Butyl Acetate = 1.0): <0.01 Coefficient of Water/Oil Distribution: Not Available Freezing Point: Not Available

SECTION 10 - STABILITY AND REACTIVITY

Stability:

Conditions to Avoid:

pH:

. Density:

Chemically stable under normal conditions. No photoreactive agents. Powerful sources of ignition and extreme

temoeratures |

Materials to Avoid: Hazardous Decomposition Products: Reactive and oxidizing agents. May release COx, smoke and irritating vapors when heated to decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Short-Term (Acute) Exposure: Effects of Long-Term (Chronic) Exposure: Long term dermal application may

Short term toxic effects not known.

produce possible skin irritation. Irritancy of Product: Not Available Skin Sensitization: Not Available

Respiratory Sensitization: Not Available

Teratogenecity, Embryotoxicity and/or Fetotoxicity: Mutagenicity:

Not Available Not Available OSHA: No

Carcinogen: IARC: No Name of Synergistic Products/Effects:

Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant, but is highly unlikely

Behavior:

Relatively well behaved. Bioaccumulation potential almost nil. Highly unlikely to cause notable contamination.

SECTION 13 - DISPOSAL CONSIDERATIONS

Consult federal, provincial and local regulations for disposal of petroleum products. Do not incinerate.

SECTION 14 - TRANSPORT INFORMATION

TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations. Land & Rail: Not Regulated Not Regulated Marine: Not Regulated Air-Shipping Name: Not Applicable UN No.: Not Applicable

Packing Group; Classification: Labeling Requirements: Placard Requirements:

Not Applicable Not Applicable Not Applicable Not Applicable

SECTION 15 - REGULATORY INFORMATION

WHMIS:

Not Controlled

DSL:

CPR Compliance:

All components listed This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the

MSDS contains all of the information required by those regulations.

SECTION 16 - OTHER INFORMATION

CPR - Controlled Product Regulations

DSL - Domestic Substance List

As of issue date, the information contained herein is accurate and reliable to the best of Jet-Lube of Canada Ltd.'s knowledge. Jet-Lube of Canada Ltd. does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage ansing out of the use thereof. It is the users' responsibility to satisfy themselves that the information offered for their consideration is suitable for their particular use.

Prepared by:

Jet-Lube of Canada Ltd. - Laboratory

Last Date of Revision: July 15, 2015