

# SAFETY DATA SHEET

Per OSHA HCS

PAGE 1

Date SDS Printed & Reviewed: 03/17/21

Last Formula Revision Date: 02/26/21

(APF)

## SECTION 1: IDENTIFICATION

### PRODUCT IDENTIFIER:

MM2213A

CHAIN LUBRICANT

OTHER MEANS OF IDENTIFICATION (FOR CHEMTREC): FORMULA # 10N106N12

RECOMMENDED USE OF THE CHEMICAL: AEROSOL SPRAY

SUPPLIER DETAILS: MANUFACTURED FOR: (C3614)

MM INDUSTRIAL SALES, LLC

1133 S. CARPENTER AVENUE

KINGSFORD, MI 49802

844-442-6977

EMERGENCY TELEPHONE NUMBER: 1-844-442-6977

## SECTION 2: HAZARDS IDENTIFICATION

### CLASSIFICATION OF THE SUBSTANCE OF MIXTURE:

Flammable Aerosols, Category 1

Gasses Under Pressure, Category Compressed Liquid

Acute Toxicity - Oral, Category 4

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

### HAZARD PICTOGRAMS:

GHS02 Flame, GHS04 Gas Cylinder, GHS07 Exclamation Mark

### SIGNAL WORD: DANGER

### HAZARD STATEMENTS:

Flammable aerosol.

H222 Extremely Flammable aerosol

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

### PRECAUTIONARY STATEMENTS:

#### GENERAL & PREVENTION:

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear eye protection.

### RESPONSE:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

CONTINUED-->

# SAFETY DATA SHEET

Per OSHA HCS

PAGE 2

## PRODUCT IDENTIFIER:

MM2213A  
CHAIN LUBRICANT

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do  
P337+P313 If eye irritation persists: Get medical advice/attention.

## STORAGE:

P410+P403 Protect from sunlight. Store in a well-ventilated place.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 degrees C/122 degrees F.

## DISPOSAL:

P501 Dispose of contents/container in accordance with local/regional/national regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>#</u>	<u>COMPONENT</u>	<u>CAS#</u>	<u>% by WT.</u>
1	PROPANE	74-98-6	10-16
2	N-BUTANE	106-97-8	5-8

## SECTION 4: FIRST AID MEASURES

**Inhalation:** If inhaled: Move person to fresh air and keep in comfortable position for breathing.

If breathing difficulty persists: Get medical advice/attention.

**Skin Contact:** If on skin: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation persists: Get medical advice/attention.

**Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting unless directed to do so by medical personnel.

### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

See Section 11: Toxicological Information and effects.

### **INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT REQUIRED:**

Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** CO2 (Carbon Dioxide), dry chemical, or water fog.

**Unsuitable Extinguishing Media:** Water spray may be unsuitable. However if water is used fog nozzles are preferable.

Water may be used to cool closed containers to prevent pressure build-up and explosion when exposed to extreme heat.

**Specific Hazards Arising From the Chemical:** Closed containers exposed to heat from fire may build pressure and explode. Products of combustion may include but are not limited to: oxides of carbon.

**Special Protective Equipment and Precautions for Fire-Fighters:** Full protective equipment including self-contained breathing apparatus should be used.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8.

**Environmental Precautions:** Prevent contamination of soil/ground, waterways, drains, and sewers.

**Methods of Containment:** Absorb spilled liquid in suitable material.

**Methods for Clean-Up:** Use spark-proof tools to sweep or scrape up, containerize, and dispose of properly.

**Other Information:** Ensure adequate ventilation.

CONTINUED-->

# SAFETY DATA SHEET

Per OSHA HCS

PAGE 3

## PRODUCT IDENTIFIER:

MM2213A  
CHAIN LUBRICANT

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling:

Vapors may ignite explosively. Prevent buildup of vapors. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate/burn container. Keep container tightly closed while not in use.

### Conditions for Safe Storage, Including Any Incompatibilities:

Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 50 degrees C / 122 degrees F. If storing in cold temperatures, allow product to warm to room temperature before use. Keep container tightly closed and away from heat and sunlight when not in use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS

#	COMPONENT	ACGIH TLV-STEL	ACGIH TLV-TWA	OSHA PEL-TWA
1	PROPANE	1800 ppm	2500 ppm	1000 ppm
2	N-BUTANE	N/E	800 ppm	800 ppm

**APPROPRIATE ENGINEERING CONTROLS:** Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.

**EYE/FACE PROTECTION:** Wear safety glasses with side shields. Have eye wash facilities immediately available.

**SKIN PROTECTION:** Wear chemical resistant gloves (neoprene or butyl rubber) if contact is likely.

**RESPIRATORY PROTECTION:** Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Aerosol - Pressurized Liquid  
**COLOR:** See product identification  
**ODOR:** Solvent Odor  
**ODOR THRESHOLD:** No data available  
**pH:** No data available  
**FREEZING POINT:** Not Established (mixture)  
**BOILING POINT:** Not Applicable (pressurized mixture)  
**FLASH POINT:** less than -18 degrees C (less than -0.4 degrees F), c.c.  
**EVAPORATION RATE:** Faster than ether  
**UPPER FLAMMABILITY LIMIT:** Not Established (mixture)  
**LOWER FLAMMABILITY LIMIT:** Not Established (mixture)  
**VAPOR PRESSURE:** Not Established (pressurized mixture)  
**SPECIFIC GRAVITY:** 0.774  
**SOLUBILITY (WATER):** Negligible  
**VOC PERCENT BY WEIGHT:** 20  
**HAPS PERCENT BY WEIGHT:** 0

## SECTION 10: STABILITY AND REACTIVITY

CONTINUED-->

## PRODUCT IDENTIFIER:

MM2213A  
CHAIN LUBRICANT

**CHEMICAL STABILITY:** Stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Will not occur.

**CONDITIONS TO AVOID:** Keep away from heat, sparks, and flames.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** by fire - Carbon Dioxide and Carbon Monoxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

**LIKELY ROUTES OF ENTRY:** Skin contact, Inhalation, Eye contact, Ingestion

**SIGNS AND SYMPTOMS OF EXPOSURE:**

**Skin Contact:** Signs/symptoms may include localized redness, itching, drying and cracking of skin.

**Inhalation:** Intentional concentration and inhalation may be harmful or fatal.

**Eye Contact:** Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion:** Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**TARGET ORGANS POTENTIALLY AFFECTED BY EXPOSURE:**

Central nervous system, kidneys, lungs, liver, eyes, skin, brain, respiratory tract, urinary tract, reproductive system, cardiovascular system

**TOXICOLOGICAL DATA:**

#	COMPONENT	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
1.	PROPANE	N/E	N/E	658 mg/L (rat) 4
2.	N-BUTANE	N/E	N/E	30957 mg/m3 (rat)

**SECTION 12: ECOLOGICAL INFORMATION**

Toxicity	No data is available on this product
Aquatic toxicity	No further relevant information available
Persistence and degradability	Biodegradation: Base oil component - Expected to be inherently biodegradable
Bioaccumulative potential	No further relevant information available
Mobility in soil	No further relevant information available

**Additional ecological information**

General notes Water hazard class 1 (Self-assessment): slightly hazardous for water

**Results of PBT and vPvB assessment**

PBT	Not applicable
vPvB	Not applicable
Other adverse effects	No further relevant information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of container and its contents in accordance with federal, state, and local regulations.

Do not puncture, incinerate, or place container in trash compactor.

**SECTION 14: TRANSPORTATION INFORMATION****GROUND (D.O.T./49 CFR):**

UN I.D. Number:	UN1950	Transport Hazard Class: 2.1	Packing Group: - (not applicable)
Proper Shipping Name:	AEROSOLS ("FLAMMABLE" is optional to add after AEROSOLS)		
Hazard label:	Limited Quantity (LTD QTY) label -- see 49 CFR 172.315		
Shipping papers format:	UN1950, AEROSOLS, 2.1, LTD QTY (can add "FLAMMABLE" after AEROSOLS)		

**AIR (IATA):**

UN I.D. Number:	UN1950	Transport Hazard Class: 2.1	Packing Group: - (not applicable)
Proper Shipping Name:	AEROSOLS, FLAMMABLE		Packing Instruction: Y203
Hazard labels:	LTD QTY label with "Y" in it, and Flammable Gas label		
Shipping papers format:	UN1950, AEROSOLS, FLAMMABLE, 2.1 (Note LTD QTY not needed on papers)		

CONTINUED--&gt;

**PRODUCT IDENTIFIER:**

MM2213A  
CHAIN LUBRICANT

**WATER (IMDG):**

UN I.D. Number: UN1950 Transport Hazard Class: 2.1 Packing Group: - (not applicable)  
Proper Shipping Name: AEROSOLS Hazard label: LTD QTY label (see IMDG 3.4.5.1)  
Packing Instruction: P003,LP02 EmS: F-D,S-U Stowage and Segregation: Category A  
Shipping papers format: UN1950, AEROSOLS, 2.1, (-18 C c.c.), LTD QTY  
No component of this product is a listed Marine Pollutant (49 CFR 172,101,Appendix B).

**SECTION 15: REGULATORY INFORMATION**

**International Chemical Inventory**

All components of this product are listed on or exempt from the following inventories:  
TSCA (United States), CEPA/DSL (Canada), AICS (Australia), IECSC (China)

**SECTION 16: OTHER INFORMATION**

REVISION DATE: 04/12/21

**HMIS & NFPA Hazard Scale:**

0=minimal, 1=slight, 2=moderate, 3=serious, 4=severe

HMIS (American Coatings Association's Hazardous Material Identification System):

Health = 2 Flammability = 4 Physical Hazard = 1

NFPA 704 (National Fire Protection Association's Hazard Identification Ratings System):

Health = 2 Flammability = 4 Instability = 1

This SDS is based on information believed to be reliable and accurate. Because of changing reporting requirements and other variables it is impossible to guarantee with complete accuracy all the information contained in this document. It is the responsibility of the user to determine proper personal protection based on actual condition of use and to comply with all federal, state, and local laws and regulations.