

SAFETY DATA SHEET X-433, MM

Supersedes Date: 06/02/2023

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: X-433, MM
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code: 5033
Chemical nature Aerosol
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Gray
Appearance Opaque

Physical state Liquid

Odor Solvent

GHS

Classification

Physical Hazards

Flammable aerosols
Gases under pressure

Category 2
Compressed gas

Health Hazard

Reproductive toxicity
Specific target organ toxicity (repeated exposure)
Aspiration hazard

Category 2
Category 1
Category 1

Hazards not otherwise classified (HNOC)

Not applicable

Labeling

Signal word

Danger



Hazard statements

Flammable aerosol
Suspected of damaging fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Contains gas under pressure; may explode if heated

Precautionary statements

Do not handle until all safety precautions have been read and understood
Keep away from heat, sparks, open flames or hot surfaces.
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Do not breathe .?
Do not eat, drink or smoke when using this product
Wear protective gloves/clothing and eye/face protection
Wash face, hands and any exposed skin thoroughly after handling
Use only outdoors or in a well-ventilated area
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician if unwell.
IF exposed or concerned: Get medical advice/attention
Protect from sunlight. Store in a well-ventilated place
Do not expose to temperatures exceeding 50 °C/122 °F
Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5	15-40
Isobutane	75-28-5	3-7
Propane	74-98-6	3-7
Light Aromatic Hydrocarbons	8052-41-3	3-7
Hexylene glycol	107-41-5	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Eye contact	No hazards which require special first aid measures.
Skin contact	No hazards which require special first aid measures.
Inhalation	Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.
Ingestion	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Prolonged contact may cause redness and irritation.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Aspiration hazard if swallowed - can enter lungs and cause damage. Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Flash Point 201.2 °F / 94 °C	Method Seta closed cup	
Flammability Limits in Air %: Mixture.	Upper flammability limit: 9.5	Lower flammability limit: 0.9
Suitable Extinguishing Media		
Foam. Carbon dioxide (CO ₂). Water spray. Dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical		
Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 9.8 inches / 25 cm and Burnback: 0 inch / 0 cm. Material can create slippery conditions.		
Protective Equipment and Precautions for Firefighters		
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
Aerosol Level (NFPA 30B) -	3	
NFPA	Health hazards 2	Flammability 4
HMIS	Health hazards 2 *	Flammability 4
		Stability 0
		Physical Hazard 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Do not breathe vapors, mist or gas.			
Storage	Store in original container. Keep in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	CAL/OSHA PEL	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	No data available	TWA: 5 mg/m ³ ; STEL: 10 mg/m ³	TWA: 5 mg/m ³	STEL 10 mg/m ³ TWA: 5 mg/m ³
Isobutane	No data available	STEL: 1000 ppm	No information available	TWA: 800 ppm TWA: 1900 mg/m ³
Propane	1000 ppm	Simple Asphyxiant. Significant quantities of component may displace oxygen, which is the limiting factor for exposure. See Appendix F of ACGIH Threshold Limit Values for Chemical Substances and Physical Agents for more information.	TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm STEL 1250 ppm STEL 2250 mg/m ³ TWA: 1000 ppm TWA: 1800 mg/m ³
Light Aromatic Hydrocarbons	100 ppm	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³	20000 mg/m ³ Ceiling: 1800 mg/m ³ TWA: 350 mg/m ³
Hexylene glycol	25 ppm	TWA: 25 ppm vapor fraction STEL: 50 ppm STEL: 10 mg/m ³	No information available	Ceiling: 25 ppm Ceiling: 125 mg/m ³

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Wear protective gloves/clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Kinematic viscosity	No data available
Color	Gray	Odor	Solvent
Odor threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	0.857
Evaporation Rate	18.85 (Butyl acetate=1)	Percent Volatile (Volume)	No data available
VOC content	10.22	VOC Content (g/L)	87.92
Product VP (mmHg @ 70°F)	No data available	Relative vapor density	1.4 (air = 1)
Solubility(ies)	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition temperature	No data available
Initial boiling point and boiling range	No data available	Flammability (solid, gas)	No data available
Flash Point	201.2 °F / 94 °C	Method	Seta closed cup
Autoignition Temperature	No information available		
Flammability Limits in Air %:	Mixture	Upper flammability limit:	9.5 Lower flammability limit: 0.9

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.
Keep away from open flames, hot surfaces, and sources of ignition, Extremes of temperature and direct sunlight.
Strong oxidizing agents, Strong acids, Aldehydes, Ketones.
No data available
Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Aldehydes, Ketones.

Incompatible Products

Decomposition temperature

Hazardous decomposition products

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

No information available

The following values are calculated based on chapter 3.1 of the GHS document**ATEmix (oral)** No information available**ATEmix (dermal)** No information available**Inhalation LC50****ATEmix (inhalation-gas)** No information available**ATEmix (inhalation-dust/mist)** No information available**ATEmix (inhalation-vapor)** No information available**Principle Route of Exposure**

Inhalation, Skin contact, Eye contact, Ingestion.

Primary Routes of Entry

Inhalation, Eye contact, Skin contact, Ingestion.

Acute Effects:**Eyes**

Low hazard for usual industrial or commercial handling.

Skin

Low hazard for usual industrial or commercial handling.

Inhalation

Low hazard for usual industrial or commercial handling.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes headache, drowsiness or other effects to the central nervous system. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic toxicity

Causes damage to organs through prolonged or repeated exposure. Contains a known or suspected reproductive toxin. Kidney injury may occur.

Target organ effects

Central nervous system, Heart, Liver, Kidney, Blood, Respiratory system, Immune system, Eyes, Skin.

Aggravated Medical Conditions

Respiratory disorders, Neurological disorders, Skin disorders, Kidney disorders, Blood disorders.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Others
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) 64742-52-5	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h	No data available	No data available
Isobutane 75-28-5	No data available	No information available	= 658 mg/L (Rat) 4 h	No data available	No data available
Propane 74-98-6	No data available	No information available	658 mg/L (Rat) 4h	No data available	No data available
Light Aromatic Hydrocarbons 8052-41-3	No data available	> 3000 mg/kg (Rabbit)	> 5.5 mg/L (Rat) 4 h	No data available	No data available
Hexylene glycol 107-41-5	= 3700 mg/kg (Rat)	= 12300 mg/kg (Rabbit)	> 310 mg/m ³ (Rat) 1 h	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) 64742-52-5	No data available	No data available	No data available	No data available	Skin Eyes Respiratory system
Isobutane 75-28-5	No data available	No data available	No data available	No data available	Central Nervous System
Propane 74-98-6	No data available	No data available	No data available	No data available	Central Nervous System Respiratory system
Light Aromatic Hydrocarbons 8052-41-3	No data available	No data available	No data available	No data available	Skin Central Nervous System Eyes Respiratory system Kidney
Hexylene glycol 107-41-5	No data available	No data available	No data available	X	Skin Central Nervous System Eyes Respiratory system

Carcinogenicity

There are no known carcinogens in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available

Persistence and Degradability No information available
Bioaccumulation No information available
Mobility No information available

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Crustacea	Partition coefficient
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	No information available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	-
Isobutane	No information available	No information available	No information available	No information available	2.88
Propane	No information available	No information available	No information available	No information available	2.3
Hexylene glycol	No information available	LC50 10500 - 11000 mg/L Pimephales promelas 96 h LC50 = 10000 mg/L Lepomis macrochirus 96 h LC50 = 10700 mg/L Pimephales promelas 96 h LC50 = 8690 mg/L Pimephales promelas 96 h	EC50 = 3038 mg/L 5 min	2700 - 3700: 48 h Daphnia magna mg/L EC50	0.13986

Persistence and degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper shipping name AEROSOL, FLAMMABLE
Transport hazard class(es) 2.1
UN number or ID number UN1950
Description UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

TDG

UN proper shipping name AEROSOLS, FLAMMABLE
Transport hazard class(es) 2.1
UN number or ID number UN1950
Description UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

ICAO (air)

UN number or ID number UN1950
UN proper shipping name AEROSOLS, FLAMMABLE
Transport hazard class(es) 2.1
Description UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

IATA

UN number or ID number UN1950
UN proper shipping name AEROSOLS, FLAMMABLE
Transport hazard class(es) 2.1
Description UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

IMDG

UN proper shipping name AEROSOLS
Transport hazard class(es) 2
UN number or ID number UN1950
Description UN1950, AEROSOLS, 2.1, LTD QTY

15. REGULATORY INFORMATION**Inventories**

TSCA Listed
DSL/NDSL Listed

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

16. OTHER INFORMATION

Prepared By Pamela Starkey
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Revision Note No information available
Glossary No information available
List of References. No information available

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