

Safety Data Sheet: X-433 AEROSOL

Supersedes Date: 01/12/2016

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: X-433 AEROSOL
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

Physical state Liquid

Odor Solvent

GHS

Classification

Physical Hazards

Flammable Aerosols
Gases under pressure

Category 2
Compressed Gas

Health Hazard

Aspiration Toxicity
Specific target organ toxicity (repeated exposure)

Category 1
Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H223 - Flammable aerosol
H304 - May be fatal if swallowed and enters airways
H373 - May cause damage to organs through prolonged or repeated exposure
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P270 - Do not eat, drink or smoke when using this product
P260 - Do not breathe vapors, mist or gas.
P271 - Use in a well-ventilated area.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a physician if unwell.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P412 - Do not expose to temperatures exceeding 50 °C/122 °F
P501 - 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

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

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Do not breathe vapors, mist or gas.
Eye Contact	No hazards which require special first aid measures.
Skin Contact	No hazards which require special first aid measures.
Inhalation	No hazards which require special first aid measures.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to physician	Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Flash Point	201.2 °F / 94 °C	Method	Seta closed cup	
Flammability Limits in Air %:	Mixture.	Upper:	9.5	Lower: 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 2	Flammability 4	Instability 0	
HMIS	Health 2	Flammability 4	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. Avoid breathing vapors, mist or gas. Wear personal protective equipment. Do not breathe mist, vapor 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 data 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
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	Viscosity	Slight viscous
Color	Gray	Odor	Solvent
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	0.86
Evaporation Rate	18.85 (Butyl acetate=1)	Percent Volatile (Volume)	No data available
VOC Content (%)	10.22	VOC Content (g/L)	87.92
Vapor pressure	1815.96 mmHg @ 70°F	Vapor Density	1.4 (Air = 1.0)
Solubility	Negligible	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/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: 9.5 Lower: 0.9	

10. STABILITY AND REACTIVITY

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

Oral LD50 No information available
Dermal LD50 No information available

Inhalation LC50
 Gas No information available
 Mist No information available
 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 Kidney injury may occur. Causes damage to organs through prolonged or repeated exposure.
Target Organ Effects: Central nervous system, Heart, Liver, Kidney, Blood, Respiratory system, Immune system.
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	Other
Petroleum distillates, hydrotreated heavy naphthenic	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h	No data available	No data available

(<3% DMSO extractable) 64742-52-5					
Isobutane 75-28-5	No data available	no data available	= 658 mg/L (Rat) 4 h	No data available	No data available
Propane 74-98-6	No data available	no data 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

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

Carcinogenicity

There are no known carcinogens in this product.

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	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	N/A
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

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**

Consumer commodity

Hazard Class

ORM-D

Description

Consumer commodity,ORM-D

TDG**Proper shipping name**

Aerosols

Hazard Class

2.1

UN-No

UN1950

Description

UN1950, AEROSOLS,2.1, LTD QTY

ICAO**UN-No**

UN1950

Proper Shipping Name	Aerosols
Hazard Class	2.1
Shipping Description	UN1950, AEROSOLS, FLAMMABLE 2.1 LTD QTY

IATA

UN-No	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1
ERG-Code	10L
Shipping Description	UN1950,AEROSOLS, FLAMMABLE ,2.1 LTD QTY

IMDG/IMO

UN proper shipping name	Aerosols
Hazard Class	2
UN Number	UN1950
EmS No.	F-D, S-U
Description	UN1950, AEROSOLS, ,2.1, LTD QTY

15. REGULATORY INFORMATION

Inventories

TSCA	Listed
DSL / NDSL	Listed
U.S. 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 Hazardous Categorization

See Section 2

CERCLA	None
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16. OTHER INFORMATION

Prepared By	Adrienne McKee
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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