

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 Number** 800-424-9300  
 800-424-9300

2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 DANGER

Causes skin irritation  
 May cause allergic skin reaction  
 Severe eye irritation  
 May be harmful if inhaled  
 Harmful or fatal if swallowed  
 Contents under pressure

**Color** Black **Physical State** Liquid **Odor** Petroleum distillates  
**Potential Health Effects**  
**Principle Route of Exposure** Skin contact, Eye contact.  
**Primary Routes of Entry** Inhalation, Skin Absorption.  
**Acute Effects**  
**Eyes** Severe irritation.  
**Skin** Causes skin irritation. May cause sensitization by skin contact.  
**Inhalation** May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. May cause cardiac arrhythmia.  
**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** Repeated or prolonged exposure may cause central nervous system damage. Liver and kidney injuries may occur. May cause sensitization by skin contact. May cause irregular heartbeats, especially under conditions of stress.  
**Target Organ Effects** Central nervous system, Heart, Liver, Kidney, Blood, Respiratory system, Bone Marrow.  
**Aggravated Medical Conditions** Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders, Blood disorders, Neurological disorders, Heart disease.  
**Potential Environmental Effects** See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	64742-53-6
Petrolatum	8009-03-8
Propane	74-98-6
Sodium sulfonate	68608-26-4
Polybutene	9003-29-6
Hexylene glycol	107-41-5
Butane	106-97-8
Stoddard solvent	8052-41-3
1,3,5-Trimethylbenzene	108-67-8
Pseudocumene	95-63-6

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

**General Advice** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.  
**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.  
**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.  
**Inhalation** Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.  
**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.

5. FIRE-FIGHTING MEASURES

**Flash Point** > 201 °F / > 94 °C **Method** Seta closed cup  
**Autoignition Temperature** No information available.  
**Flammability Limits in Air % Mixture.** **Upper** 9.5 **Lower** 1.0  
**Suitable Extinguishing Media**  
 Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Water spray. Dry powder.

**Specific hazards arising from the chemical**

The product causes irritation of eyes, skin and mucous membranes. Flame extension: 10 inches / 26 cm and Burnback: 0 inches / 0 cm.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Aerosol Level (NFPA 30B) -**

3

**NFPA** Health 2  
**HMIS** Health 2

**Flammability** 4  
**Flammability** 4

**Instability** 0  
**Instability** 0

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Remove all sources of ignition. Ensure adequate ventilation.

**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**

Pick up and transfer to properly labeled containers.

**Neutralizing Agent**

Not applicable.

**7. HANDLING AND STORAGE****Handling**

Ensure adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

**Storage**

Keep in a dry, cool and well-ventilated place.

**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**

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	TWA: 5 mg/m <sup>3</sup> ; STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	IDLH: 2,500 mg/m <sup>3</sup> ; STEL 10 mg/m <sup>3</sup> ; TWA: 5 mg/m <sup>3</sup>
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> as oil mist	No data available
Petrolatum	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> as oil mist	No data available
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Sodium sulfonate	No data available	No data available	No data available
Polybutene	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> as oil mist	No data available
Hexylene glycol	Ceiling: 25 ppm	No data available	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup>
Butane	TWA: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Stoddard solvent	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>	IDLH: 20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> TWA: 350 mg/m <sup>3</sup>
1,3,5-Trimethylbenzene	No data available	No data available	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Pseudocumene	No data available	No data available	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment****Eye/Face Protection**

Tightly fitting safety goggles.

**Skin Protection**

Wear suitable protective clothing, Impervious gloves.

**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Black	<b>Odor</b>	Petroleum distillates
<b>Appearance</b>	Opaque	<b>pH</b>	Not applicable
<b>Specific Gravity</b>	0.852	<b>Evaporation Rate</b>	24.5 (Butyl acetate=1)
<b>Percent Volatile (Volume)</b>	24.2	<b>VOC Content (%)</b>	19.9
<b>VOC Content (g/L)</b>	170	<b>Vapor Pressure</b>	1894 mmHg @ 70°F
<b>Vapor Density</b>	1.7 (Air = 1.0)	<b>Solubility</b>	Insoluble
<b>Boiling Point/Range</b>	500 °F / 260 °C		

**10. STABILITY AND REACTIVITY****Chemical Stability**

Stable. Hazardous polymerization does not occur.

**Conditions to Avoid**

Heat, flames, and sparks

**Incompatible Products**

Strong oxidizing agents, Strong acids, Aldehydes, Ketones.

**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.

**Component Information**

**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h	no data available	no data available
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h	no data available	no data available
Petrolatum	no data available	3600 mg/kg ( Rabbit )	no data available	no data available	no data available
Propane	no data available	no data available	658 mg/L ( Rat ) 4 h	no data available	no data available
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Polybutene	no data available	no data available	no data available	no data available	no data available
Hexylene glycol	3692 mg/kg ( Rat )	8560 µL/kg ( Rabbit )	310 mg/m <sup>3</sup> ( Rat ) 1 h	no data available	no data available
Butane	no data available	no data available	658 mg/L ( Rat ) 4 h	no data available	no data available
Stoddard solvent	500	no data available	no data available	no data available	no data available
1,3,5-Trimethylbenzene	5000 mg/kg ( Rat ) 8970 mg/kg ( Rat )	no data available	24 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Pseudocumene	3400 mg/kg ( Rat ) 8970 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	18 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available

**Chronic Toxicity**

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	respiratory system
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	CNS
Petrolatum	no data available	no data available	no data available	no data available	no data available
Propane	no data available	no data available	no data available	no data available	CNS
Sodium sulfonate	no data available	no data available	no data available	no data available	no data available
Polybutene	no data available	no data available	no data available	no data available	Heart, liver, kidney, lung
Hexylene glycol	no data available	skin sensitization	no data available	no data available	eyes, CNS, respiratory system, skin
Butane	no data available	no data available	no data available	no data available	CNS
Stoddard solvent	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, kidneys
1,3,5-Trimethylbenzene	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, blood
Pseudocumene	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin, blood

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Petrolatum	not applicable	not applicable	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium sulfonate	not applicable	not applicable	not applicable	not applicable	not applicable
Polybutene	not applicable	not applicable	not applicable	not applicable	not applicable
Hexylene glycol	not applicable	not applicable	not applicable	not applicable	not applicable
Butane	not applicable	not applicable	not applicable	not applicable	not applicable
Stoddard solvent	not applicable	not applicable	not applicable	not applicable	not applicable
1,3,5-Trimethylbenzene	not applicable	not applicable	not applicable	not applicable	not applicable
Pseudocumene	not applicable	not applicable	not applicable	not applicable	not applicable

**12. ECOLOGICAL INFORMATION**

**Product Information**

No information available.

**Component Information**

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	> 1000 mg/L 48 h	N/A
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	> 1000 mg/L 48 h	N/A
Petrolatum	no data available	no data available	no data available	no data available	N/A
Propane	no data available	no data available	no data available	no data available	2.3
Sodium sulfonate	no data available	no data available	no data available	no data available	N/A
Polybutene	no data available	no data available	no data available	no data available	N/A
Hexylene glycol	no data 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 mg/L 48 h	0.14
Butane	no data available	no data available	no data available	no data available	2.89
Stoddard solvent	no data available	no data available	no data available	no data available	N/A
1,3,5-Trimethylbenzene	no data available	LC50 = 3.48 mg/L Pimephales promelas 96 h LC50 = 7.72 mg/L Pimephales promelas 96 h	no data available	= 50 mg/L 24 h	N/A
Pseudocumene	no data available	LC50 7.19-8.28 mg/L Pimephales promelas 96 h LC50 = 7.72 mg/L Pimephales promelas 96 h	no data available	= 6.14 mg/L 48 h	3.63

**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** AEROSOLS,2.1,UN1950 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

**Proper Shipping Name** Aerosols  
**Hazard Class** 2  
**UN-No** UN1950  
**EmS No.** F-D, S-U  
**Shipping Description** UN1950, Aerosols,2.1, LTD QTY

## 15. REGULATORY INFORMATION

## Inventories

**TSCA** Complies  
**DSL** Complies

## U.S. Federal Regulations

## SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Pseudocumene	95-63-6	0.1-1	1.0 % de minimis concentration

## SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	Yes	No

## CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Petrolatum	Not applicable	Not applicable
Propane	Not applicable	Not applicable
Sodium sulfonate	Not applicable	Not applicable
Polybutene	Not applicable	Not applicable
Hexylene glycol	Not applicable	Not applicable
Butane	Not applicable	Not applicable
Stoddard solvent	Not applicable	Not applicable
1,3,5-Trimethylbenzene	Not applicable	Not applicable
Pseudocumene	Not applicable	Not applicable

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## WHMIS Hazard Class

A Compressed gases, B5 Flammable aerosol, D2B Toxic materials.



## 16. OTHER INFORMATION

Prepared By	Dan Hollas
Supersedes Date	03/19/2008
Issuing Date	03/09/2011
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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