

# Safety Data Sheet CCX-97 AEROSOL, MM

Supersedes Date 03/30/2015

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CCX-97 AEROSOL, MM  
**Recommended use** Lubricant  
**Information on Manufacturer**  
CERTIFIED LABS, DIV. OF NCH CORP.  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 5418  
**Chemical nature** Hydrocarbons Mixture Mixture (aerosol)  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Amber - Brown

**Physical state** liquid

**Odor** Petroleum distillates

### GHS

#### Classification

##### Physical Hazards

Flammable Aerosols  
Gases under pressure

Category 2  
Compressed Gas

##### Health Hazard

Skin sensitization  
Carcinogenicity

Category 1  
Category 2

##### Other hazards

None

### Labeling

#### Signal Word

**DANGER**



#### Hazard statements

H223 - Flammable aerosol  
H317 - May cause an allergic skin reaction  
H351 - Suspected of causing cancer  
H280 - Contains gas under pressure; may explode if heated

#### Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood  
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  
P261 - Avoid breathing vapors, mist or gas.  
P280 - Wear protective gloves, protective clothing and eye protection.  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P270 - Do not eat, drink or smoke when using this product.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 - If skin irritation or rash occurs, get medical attention  
P363 - Wash contaminated clothing before reuse  
P308 + P313 - IF exposed or concerned, get medical attention  
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 local regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
Petroleum distillates, hydrotreated light	64742-47-8	10-30
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5	10-30
Petroleum naphtha, light aromatic	64742-95-6	5-10

Isobutane	75-28-5	5-10
Pseudocumene	95-63-6	1-5
Propane	74-98-6	1-5
Sulfurized hydrocarbon	68511-50-2	0.1-1
Benzenesulfonic acid, di(C10-18) alkyl derivative, barium salts	93820-55-4	0.1-1
Xylenes (o-, m-, p- isomers)	1330-20-7	0.1-1
Cumene	98-82-8	0.1-1

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

#### 4. FIRST AID MEASURES

<b>General advice</b>	Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wash affected areas with large amounts of soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing and clean shoes before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.
<b>Notes to physician</b>	May cause sensitization of susceptible persons.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b> 131 °F / 55 °C	<b>Method</b> No data available
<b>Flammability Limits in Air %:</b> Mixture.	<b>Upper:</b> 9.5 <b>Lower:</b> 0.9
<b>Suitable Extinguishing Media</b>	
Foam. Carbon dioxide (CO <sub>2</sub> ). Water spray. Dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
<b>Specific hazards arising from the chemical</b>	
Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 9.4 inches / 24 cm and Burnback: 0 inch / 0 cm.	
<b>Protective Equipment and Precautions for Firefighters</b>	
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.	
<b>Aerosol Level (NFPA 30B) -</b>	2
<b>NFPA</b> Health 2	<b>Flammability</b> 4 <b>Instability</b> 0
<b>HMIS</b> Health 2	<b>Flammability</b> 4 <b>Instability</b> 0

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	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).
<b>Methods for Cleaning Up</b>	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
<b>Neutralizing Agent</b>	Not applicable.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep away from heat and sources of ignition. Store in original container. Keep in a dry, cool and well-ventilated place.
<b>Storage Temperature</b>	<b>Minimum</b> 35 °F / 2 °C <b>Maximum</b> 120 °F / 49 °C
<b>Storage Conditions</b>	<b>Indoor</b> X <b>Outdoor</b> <b>Heated</b> <b>Refrigerated</b>

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated light	525 mg/m <sup>3</sup> TWA	No data available	No data available
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>	No data available
Isobutane	STEL: 1000 ppm	No data available	TWA: 800 ppm

			TWA: 1900 mg/m <sup>3</sup>
Pseudocumene	TWA: 25 ppm	No data available	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Xylenes (o-, m-, p- isomers)	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	No data available
Cumene	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> Skin	900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>

**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**

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**

Wear protective gloves/clothing. 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>	Viscous
<b>Color</b>	Amber - Brown	<b>Odor</b>	Petroleum distillates
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Transparent - Hazy
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.887
<b>Evaporation Rate</b>	18.85 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	52.8
<b>VOC Content (%)</b>	24.87	<b>VOC Content (g/L)</b>	220.6
<b>Vapor Pressure</b>	1938 mmHg @ 70°F	<b>Vapor Density</b>	1.4 (Air = 1.0)
<b>Solubility</b>	Negligible	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	No data available	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	131 °F / 55 °C	<b>Method</b>	No data available
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %:</b>	Mixture	<b>Upper: 9.5 Lower: 0.9</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, and sources of ignition.
<b>Incompatible Products</b>	Strong oxidizing agents, Strong acids, Reducing agents, Bases.
<b>Decomposition Temperature</b>	No data available
<b>Hazardous Decomposition Products</b>	Carbon oxides, Aldehydes, Ketones, Sulfur oxides, Hydrogen sulfide.
<b>Possibility of Hazardous Reactions</b>	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**

**Dermal LD50** No information available

**Inhalation LC50**

**Gas** No information available

**Mist** No information available

**Vapor** No information available

**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.

**Primary Routes of Entry** Skin contact, Skin Absorption.

**Acute Effects:**

**Eyes** May cause slight irritation.

**Skin** May cause allergic skin reaction. May cause slight irritation.

**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.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

**Chronic Toxicity** Repeated and prolonged exposure to solvents may cause brain and nervous system

damage. Blood disorder may occur after prolonged inhalation. Contains a known or suspected carcinogen. May cause sensitization by skin contact.

Central nervous system, Blood, Skin, Respiratory system, Eyes.

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

**Target Organ Effects**  
**Aggravated Medical Conditions**

Component Information

**Acute Toxicity**

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable) 64742-52-5	> 5000 mg/kg ( Rat )	> 5000 mg/kg (Rabbit)	no data available	no data available	no data available
Petroleum naphtha, light aromatic 64742-95-6	no data available	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h	no data available	no data available
Isobutane 75-28-5	no data available	no data available	= 658 mg/L ( Rat ) 4 h	no data available	no data available
Pseudocumene 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Propane 74-98-6	no data available	no data available	= 658 mg/L ( Rat ) 4 h	no data available	no data available
Sulfurized hydrocarbon 68511-50-2	= 5000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Xylenes (o-, m-, p- isomers) 1330-20-7	= 4300 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h > 5.04 mg/L ( Rat ) 4 h	no data available	no data available
Cumene 98-82-8	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	> 3577 ppm ( Rat ) 6 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Isobutane 75-28-5	no data available	no data available	no data available	no data available	Central nervous system
Pseudocumene 95-63-6	no data available	no data available	no data available	no data available	Blood Skin Central nervous system Eyes Respiratory system
Propane 74-98-6	no data available	no data available	no data available	no data available	Central nervous system
Benzenesulfonic acid, di(C10-18) alkyl derivative, barium salts 93820-55-4	no data available	yes	no data available	no data available	no data available
Cumene 98-82-8	no data available	no data available	no data available	no data available	Skin Central nervous system Eyes Respiratory system

**Carcinogenicity**

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

Component	ACGIH	IARC	NTP	OSHA	Other
Xylenes (o-, m-, p- isomers) 1330-20-7	not applicable	Group 3	not applicable	not applicable	not applicable
Cumene 98-82-8	not applicable	Group 2B	not applicable	X	not applicable

## 12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum distillates, hydrotreated light	No information available.	LC50 = 45 mg/L Pimephales promelas 96 h LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A
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
Petroleum naphtha, light aromatic	No information available.	LC50 = 9.22 mg/L Oncorhynchus mykiss 96 h	No information available	6.14: 48 h Daphnia magna mg/L EC50	N/A
Isobutane	No information available.	No information available.	No information available	No information available.	2.88
Pseudocumene	No information available.	LC50 7.19 - 8.28 mg/L Pimephales promelas 96 h LC50 = 7.72 mg/L Pimephales promelas 96 h	No information available	6.14: 48 h Daphnia magna mg/L EC50	3.63
Propane	No information available.	No information available.	No information available	No information available.	2.3

Sulfurized hydrocarbon	No information available.	LC50 250 - 500 mg/L Pimephales promelas 96 h LC50 < 1000 mg/L Pimephales promelas 96 h	No information available	1000: 48 h Daphnia magna mg/L EC50	N/A
Xylenes (o-, m-, p- isomers)	EC50 = 11 mg/L Pseudokirchneriella subcapitata 72 h	LC50 = 13.4 mg/L Pimephales promelas 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50 = 19 mg/L Lepomis macrochirus 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50 = 780 mg/L Cyprinus carpio 96 h LC50 > 780 mg/L Cyprinus carpio 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h	EC50 = 0.0084 mg/L 24 h	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50	3.15
Cumene	EC50 = 2.6 mg/L Pseudokirchneriella subcapitata 72 h	LC50 6.04 - 6.61 mg/L Pimephales promelas 96 h LC50 = 4.8 mg/L Oncorhynchus mykiss 96 h LC50 = 2.7 mg/L Oncorhynchus mykiss 96 h LC50 = 5.1 mg/L Poecilia reticulata 96 h	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h	0.6: 48 h Daphnia magna mg/L EC50 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static	3.55

**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

#### 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  
 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 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight % *	SARA 313 - Threshold Values
Pseudocumene	95-63-6	1-5	1.0
Benzenesulfonic acid, di(C10-18) alkyl derivative, barium salts	93820-55-4	0.1-1	1.0
Xylenes (o-, m-, p- isomers)	1330-20-7	0.1-1	1.0
Cumene	98-82-8	0.1-1	1.0

**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
Xylenes (o-, m-, p- isomers)	100 lb	Not applicable
Cumene	5000 lb	Not applicable

### 16. OTHER INFORMATION

Prepared By Laura Strauss  
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 Reason for Revision No information available.  
 Glossary No information available.  
 List of References. No information available.

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