



# Safety Data Sheet LUBREASE CLEAR

Supersedes Date DEC 2016

Issuing Date JUNE 2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** LUBREASE CLEAR AEROSOL  
**Recommended use** Lubricant  
**Manufacturer, importer, supplier**  
NCH AUSTRALIA PTY LTD, DIV. OF NCH CORPORATION  
N2, 391, PARK ROAD, REGENTS PARK, NSW 2143  
**Telephone inquiry**  
+61-2-96690260  
**Emergency Telephone Number**  
+61-2-96690237 / 0401718972  
**Fax number**  
+61-2-96931562

**Product Code** 5418  
**Chemical nature** Hydrocarbons Mixture (aerosol)  
**Distributor**  
NCH AUSTRALIA PTY LTD  
N2, 391, PARK ROAD, REGENTS PARK, NSW 2143  
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## 2. HAZARD IDENTIFICATION

**Colour** Amber - Brown

**Physical state** liquid

**Odour** Petroleum distillates

**Mixture or Pure Substance:** Mixture

### GHS

#### Classification

##### Physical Hazards

Flammable Aerosols

Gases under pressure

Category 2

Compressed Gas

##### Health Hazard

Aspiration Toxicity

Acute Inhalation Toxicity - Gas

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Specific target organ systemic toxicity (single exposure)

Category 1

Category 4

Category 2

Category 2B

Category 3

##### Other Hazards

None

### Labelling

Signal Word **Danger**



##### Hazard

##### Statements

H223 - Flammable aerosol

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

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

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P271 - Use in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

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

P301 + P310 - IF SWALLOWED: Immediately call a physician

P332 + P313 - If skin irritation occurs, get medical attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P308 + P313 - IF exposed or concerned, get medical attention

P362 - Take off contaminated clothing and wash before reuse

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P410 + P403 - Protect from sunlight. Store in a well-ventilated place

P405 - Store locked up

P501 - Dispose of contents and container in accordance with applicable local regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Aliphatic hydrocarbon resin	152698-66-3	15-40
Petroleum distillates, hydro treated light	64742-47-8	10-30
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)	64742-52-5	10-30
Propane	74-98-6	5-10
Pseudocumene	95-63-6	1-5
Butane	106-97-8	1-5
1,3,5-Trimethylbenzene	108-67-8	1-5
1,2,3-Trimethylbenzene	526-73-8	1-5
Cumene	98-82-8	0.1-1

### 4. FIRST AID MEASURES

<b>General advice</b>	Avoid breathing vapours, 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 off with soap and plenty of water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
<b>Notes to physician</b>	Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	55 °C	<b>Method</b>	Seta closed cup
<b>Auto ignition Temperature</b>	No information 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 vapours are heavier than air and may spread along floors. Vapours may ignite and explode. Flame extension: 18 inches / 24 cm and Burn back: 0 inch / 0 cm.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.		

### 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 labelled 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 vapours, 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>	2°C	<b>Maximum</b>	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	ES-TWA	ISHL	ACGIH TLV	Petroleum distillates, hydro treated light		no data available	525 mg/m <sup>3</sup> TWA
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)		no data available	TWA: 5 mg/m <sup>3</sup> ; STEL: 10 mg/m <sup>3</sup>	Propane		no data available	TWA: 1000 ppm
Pseudocumene	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	no data available	TWA: 25 ppm	Butane	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>	no data available	STEL: 1000 ppm
1,3,5-Trimethylbenzene	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	no data available	TWA: 25 ppm	1,2,3-Trimethylbenzene	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	no data available	TWA: 25 ppm
Cumene	skin notation STEL: 75 ppm STEL: 375 mg/m <sup>3</sup> TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>	no data available	TWA: 50 ppm				

**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

#### 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

#### Eye/Face Protection

Safety glasses with side-shields.

#### Hand Protection

Protective gloves

#### Skin Protection

Wear suitable protective clothing, Impervious gloves.

### 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>Appearance</b>	Transparent - Hazy
<b>Colour</b>	Amber - Brown
<b>Physical state</b>	liquid
<b>Odour</b>	Petroleum distillates
<b>Odour Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting Point/Range</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Flash Point</b>	55 °C

Method	Seta closed cup
Evaporation Rate	24.57 (Butyl acetate=1)
Vapour Pressure	1800.05 mmHg @ 21°C
Solubility	Negligible
Vapour Density	1.7 (Air = 1.0)
Specific Gravity	0.97
Auto ignition Temperature	No information available.
Viscosity	Semi-viscous
Molecular Weight	No data available
Percent Volatile (Volume)	0
VOC Content (%)	46.6
VOC Content (g/L)	0

## 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.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Aldehydes, Ketones.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

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

The following values are calculated based on chapter 3.1 of the GHS document mg/kg

**Dermal LD50** No information available mg/kg

**Inhalation LC50**

**Gas** Not applicable mg/L

**Mist** not applicable mg/L

**Vapour** not applicable mg/L

**Primary Routes of Entry**

**Main Symptoms** Skin contact, Skin Absorption.

**Acute Effects:**

**Eyes** Causes eye irritation.

**Skin** Substance may cause slight skin 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. May be fatal if inhaled in large quantities.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

**Chronic Effects:**

Repeated and prolonged exposure to solvents may cause brain and nervous system damage, Blood disorder may occur after prolonged inhalation, May cause cardiac arrhythmia, Liver and kidney injuries may occur, Contains a known or suspected carcinogen. Liver, Kidney, Central nervous system, Blood, Eyes, Skin, Respiratory system, Cardiovascular system, Ears.

**Target Organ Effects**

**Aggravated Medical Conditions**

Skin disorders, Respiratory disorders, Neurological disorders, Heart disease, Liver disorders, Kidney disorders, Blood disorders.

### Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Petroleum distillates, hydro treated light	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	no data available	no data available	no data available

Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)	> 5000 mg/kg ( Rat )	> 5000 mg/kg (Rabbit)		no data available	no data available
Propane		Not applicable	= 658 mg/L ( Rat ) 4 h	no data available	no data available
Pseudocumene	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Butane		Not applicable	= 658 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
1,3,5-Trimethylbenzene		Not applicable	= 24 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
Cumene	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	> 3577 ppm ( Rat ) 6 h	no data available	no data available

**Chronic Toxicity**

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Propane	no data available	Not applicable	no data available	no data available.	Central nervous system
Pseudocumene	no data available	no data available	no data available	no data available.	Blood Skin Central nervous system Eyes Respiratory system
Butane	no data available	Not applicable	no data available	no data available.	Central nervous system
1,3,5-Trimethylbenzene	no data available	no data available	no data available	no data available.	Blood Skin Central nervous system Eyes Respiratory system
1,2,3-Trimethylbenzene	no data available	Not applicable	no data available	no data available.	Blood Skin Central nervous system Eyes Respiratory system
Cumene	no data available	Not applicable	no data available	no data available.	Skin Central nervous system Eyes Respiratory system

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

## 12. ECOLOGICAL INFORMATION

**Product Information**

No data available

**Component Information**

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Petroleum distillates, hydro treated light	Not applicable	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 data available	Not applicable	N/A
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)	Not applicable	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
Propane	Not applicable	Oral	no data available	Not applicable	2.3
Pseudocumene	Not applicable	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: 48 h Daphnia magna mg/L EC50	3.63
Butane	Not applicable	Oral	no data available	Not applicable	2.89
1,3,5-Trimethylbenzene	Not applicable	LC50 = 3.48 mg/L Pimephales promelas 96 h LC50 = 7.72 mg/L Pimephales promelas 96 h	no data available	Not applicable	N/A
1,2,3-Trimethylbenzene	Not applicable	LC50 = 7.72 mg/L Pimephales promelas 96 h	no data available	Not applicable	N/A

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
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<b>Eco toxicity effects</b>	No information available
<b>Persistence and Degradability</b>	No information available
<b>Bioaccumulation</b>	No information available
<b>Mobility</b>	No information available

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

<b>ADG 7</b>	
<b>UN-No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, Flammable
<b>Hazard Class</b>	2.1
<b>Hazchem Code</b>	2(Y)
<b>Description</b>	UN1950, Aerosols,Flammable,2.1, LTD QTY

### 15. REGULATORY INFORMATION

<b>Australia</b>	
<b>POISON SCHEDULE</b>	Schedule 5

### 16. OTHER INFORMATION

<b>Prepared By</b>	Arvind Rane
<b>Super cedes Date</b>	DEC 2016
<b>Issuing Date</b>	JUNE 2020
<b>Reason for Revision</b>	GHS-SDS FORMAT
<b>List of References.</b>	No information available.

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