

SAFETY DATA SHEET

LUBREASE CLEAR AEROSOL

Infosafe No.: LTSB7
ISSUED Date : 30/06/2020
ISSUED by: NCH AUSTRALIA PTY LTD,DIV. OF
NCH CORPORATION

1. Identification

GHS Product Identifier

LUBREASE CLEAR AEROSOL

Product Code

5418

Company name

NCH AUSTRALIA PTY LTD,DIV. OF NCH CORPORATION

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Recommended use of the chemical and restrictions on use

Lubricant

Other Names

Name
LUBREASE CLEAR

Additional Information

Chemical nature: Hydrocarbons Mixture (aerosol)

2. Hazard Identification

GHS classification of the substance/mixture

GHS Classification:

Physical Hazards:

Flammable Aerosols: Category 2

Gases under pressure: Compressed Gas

Health Hazard:

Aspiration Toxicity: Category 1

Acute Inhalation Toxicity - Gas: Category 4

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 2B

Specific target organ systemic toxicity (single exposure): Category 3

Other Hazards:

None

Signal Word (s)

DANGER

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Hazard Statement (s)

H223 Flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
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.

Pictogram (s)

Flame, Gas cylinder, Exclamation mark, Health hazard



Precautionary statement – Prevention

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P211 Do not spray on an open flame or other ignition source.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Precautionary statement – Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Precautionary statement – Disposal

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

Other Information

Mixture or Pure Substance: Mixture

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Aliphatic hydrocarbon resin	152698-66-3	15-40 %
1,2,3-trimethylbenzene	526-73-8	1-5 %
1,3,5-trimethylbenzene	108-67-8	1-5 %
cumene	98-82-8	0.1-1 %
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 %

4. First-aid measures

First Aid Measures

General advice: Avoid breathing vapours, mist, or gas. Avoid contact with skin, eyes and clothing.

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.

Skin

Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Advice to Doctor

Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. Fire-fighting measures

Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Water spray. Dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Protective Equipment for fire fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical

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.

Hazchem Code

2(Y)

6. Accidental release measures

Methods And Materials For Containment And Cleaning Up

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: Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labelled containers.

Personal Precautions

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.

Environmental Precautions

Do not flush into surface water or sanitary sewer system.

Other Information

Neutralizing Agent: Not applicable.

7. Handling and storage

Precautions for Safe Handling

Keep away from open flames, hot surfaces and sources of ignition

Avoid breathing vapours, mist or gas

Avoid contact with skin, eyes and clothing

Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition

Store in original container

Keep in a dry, cool and well-ventilated place

Storage Conditions: Indoor

Storage Temperatures

Minimum: 2°C

Maximum: 49°C

8. Exposure controls/personal protection

Occupational exposure limit values

Component : Petroleum distillates, hydro treated light

ES-TWA :

ISHL : no data available

ACGIH TLV : 525 mg/m³ TWA

Component : Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)

ES-TWA :

ISHL : no data available

ACGIH TLV : TWA: 5 mg/m³; STEL: 10 mg/m³

Component : Propane

ES-TWA :

ISHL : no data available

ACGIH TLV : TWA: 1000 ppm

Component : Pseudocumene

ES-TWA :

TWA: 25 ppm

TWA: 123 mg/m³

ISHL : no data available

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ACGIH TLV : TWA: 25 ppm

Component : Butane

ES-TWA :

TWA: 800 ppm

TWA: 1900 mg/m³

ISHL : no data available

ACGIH TLV : STEL: 1000 ppm

Component : 1,3,5-Trimethylbenzene

ES-TWA :

TWA: 25 ppm

TWA: 123 mg/m³

ISHL : no data available

ACGIH TLV : TWA: 25 ppm

Component : 1,2,3-Trimethylbenzene

ES-TWA :

TWA: 25 ppm

TWA: 123 mg/m³

ISHL : no data available

ACGIH TLV : TWA: 25 ppm

Component : Cumene

ES-TWA :

skin notation

STEL: 75 ppm

STEL: 375 mg/m³

TWA: 25 ppm

TWA: 125 mg/m³

ISHL : no data available

ACGIH TLV : TWA: 50 ppm

Appropriate engineering controls

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.

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 Protection

Safety glasses with side-shields.

Hand Protection

Protective gloves

Body Protection

Skin Protection : Wear suitable protective clothing, Impervious gloves.

Hygiene Measures

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

Properties	Description	Properties	Description
Form	Liquid	Appearance	Transparent - Hazy
Colour	Amber - Brown	Odour	Petroleum distillates
Melting Point	No data available	Freezing Point	No data available
Boiling Point	No data available	Specific Gravity	0.97
pH	Not applicable	Vapour Pressure	1800.05 mmHg @ 21°C
Vapour Density (Air=1)	1.7 (Air = 1.0)	Evaporation Rate	24.57 (Butyl acetate=1)
Physical State	Liquid	Odour Threshold	No data available
Viscosity	Semi-viscous	Volatile Component	0%
Flash Point	55°C (Setaflash Closed Cup)	Auto-Ignition Temperature	No information available.
Flammable Limits - Lower	Mixture 0.9%.	Flammable Limits - Upper	Mixture 9.5%.
Molecular Weight	No data available		

Other Information

Solubility: Negligible

VOC Content (%): 46.6

VOC Content (g/L): 0

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.

Incompatible materials

Strong oxidizing agents, Strong acids.

Hazardous Decomposition Products

Carbon oxides, Aldehydes, Ketones.

Possibility of hazardous reactions

None under normal processing.

11. Toxicological Information

Toxicology 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 : Skin contact, Skin Absorption.

Target Organ Effects: Liver, Kidney, Central nervous system, Blood, Eyes, Skin, Respiratory system, Cardiovascular system, Ears.

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Aggravated Medical Conditions: Skin disorders, Respiratory disorders, Neurological disorders, Heart disease, Liver disorders, Kidney disorders, Blood disorders.

Component : Petroleum distillates, hydro treated light

Draize Test : no data available

Other : no data available

Component : Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)

Draize Test : no data available

Other : no data available

Component : Propane

Draize Test : no data available

Other : no data available

Component : Pseudocumene

Draize Test : no data available

Other : no data available

Component : Butane

Draize Test : no data available

Other : no data available

Component : 1,3,5-Trimethylbenzene

Draize Test : no data available

Other : no data available

Component : Cumene

Draize Test : no data available

Other : no data available

Acute Toxicity - Oral

Component : Petroleum distillates, hydro treated light

Oral LD50 : > 5000 mg/kg (Rat)

Component : Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)

Oral LD50 : > 5000 mg/kg (Rat)

Component : Pseudocumene

Oral LD50 : = 3280 mg/kg (Rat)

Component : Cumene

Oral LD50 : = 1400 mg/kg (Rat)

Acute Toxicity - Inhalation

Component : Petroleum distillates, hydro treated light

Inhalation LC50 : no data available

Component : Propane

Inhalation LC50 : = 658 mg/L (Rat) 4 h

Component : Pseudocumene

Inhalation LC50 : = 18 g/m³ (Rat) 4 h

Component : Butane

Inhalation LC50 : = 658 g/m³ (Rat) 4 h

Component : 1,3,5-Trimethylbenzene

Inhalation LC50 : = 24 g/m³ (Rat) 4 h

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Component : Cumene
Inhalation LC50 : > 3577 ppm (Rat) 6 h

Acute Toxicity - Dermal

Component : Petroleum distillates, hydro treated light
Dermal LD50 : > 2000 mg/kg (Rabbit)

Component : Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)
Dermal LD50 : > 5000 mg/kg (Rabbit)

Component : Propane
Dermal LD50 : Not applicable

Component : Pseudocumene
Dermal LD50 : > 3160 mg/kg (Rabbit)

Component : Butane
Dermal LD50 : Not applicable

Component : 1,3,5-Trimethylbenzene
Dermal LD50 : Not applicable

Component : Cumene
Dermal LD50 : = 12300 µL/kg (Rabbit)

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.

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.

Skin

Substance may cause slight skin irritation.

Eye

Causes eye irritation.

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Subchronic/Chronic Toxicity

Component : Propane
Mutagenicity : no data available
Sensitization : no data available
Developmental Toxicity : no data available
Reproductive Toxicity : no data available
Target Organ Effects : Central nervous system

Component : Pseudocumene
Mutagenicity : no data available
Sensitization : no data available
Developmental Toxicity : no data available
Reproductive Toxicity : no data available
Target Organ Effects : Blood Skin Central nervous system Eyes Respiratory system

Component : Butane
Mutagenicity : no data available
Sensitization : no data available
Developmental Toxicity : no data available
Reproductive Toxicity : no data available

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Target Organ Effects : Central nervous system

Component : 1,3,5-Trimethylbenzene

Mutagenicity : no data available

Sensitization : no data available

Developmental Toxicity : no data available

Reproductive Toxicity : no data available

Target Organ Effects : Blood Skin Central nervous system Eyes Respiratory system

Component : 1,2,3-Trimethylbenzene

Mutagenicity : no data available

Sensitization : no data available

Developmental Toxicity : no data available

Reproductive Toxicity : no data available

Target Organ Effects : Blood Skin Central nervous system Eyes Respiratory system

Component : Cumene

Mutagenicity : no data available

Sensitization : no data available

Developmental Toxicity : no data available

Reproductive Toxicity : no data available

Target Organ Effects : Skin Central nervous system Eyes Respiratory system

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.

12. Ecological information

Ecological information

Product Information: No data available

Component Information:

Component: Petroleum distillates, hydro treated light

Microtox: no data available

Crustacea: Not applicable

log Pow: N/A

Component: Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)

Microtox: no data available

Crustacea: 1000: 48 h Daphnia magna mg/L EC50

log Pow: N/A

Component: Propane

Microtox: no data available

Crustacea: Not applicable

log Pow: 2.3

Component: Pseudocumene

Microtox: no data available

Crustacea: 6.14: 48 h Daphnia magna mg/L EC50

log Pow: 3.63

Component: Butane

Microtox: no data available

Crustacea: Not applicable

log Pow: 2.89

Component: 1,3,5-Trimethylbenzene

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Microtox: no data available
Crustacea: Not applicable
log Pow: N/A

Component: 1,2,3-Trimethylbenzene
Microtox: no data available
Crustacea: Not applicable
log Pow: N/A

Component: Cumene
Microtox:
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
Crustacea:
0.6: 48 h Daphnia magna mg/L EC50 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static
log Pow: 3.55

Ecotoxicity

No information available

Persistence and degradability

No information available

Mobility

No information available

Bioaccumulative Potential

No information available

Acute Toxicity - Fish

Component: Petroleum distillates, hydro treated light
Toxicity to Fish:
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

Component: Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)
Toxicity to Fish: LC50 > 5000 mg/L Oncorhynchus mykiss 96 h

Component: Propane
Toxicity to Fish: Oral

Component: Pseudocumene
Toxicity to Fish:
LC50 7.19 - 8.28 mg/L Pimephales promelas 96 h
LC50 = 7.72 mg/L Pimephales promelas 96 h

Component: Butane
Toxicity to Fish: Oral

Component: 1,3,5-Trimethylbenzene
Toxicity to Fish:
LC50 = 3.48 mg/L Pimephales promelas 96 h
LC50 = 7.72 mg/L Pimephales promelas 96 h

Component: 1,2,3-Trimethylbenzene
Toxicity to Fish: LC50 = 7.72 mg/L Pimephales promelas 96 h

Component: Cumene
Toxicity to Fish:
LC50 6.04 - 6.61 mg/L Pimephales promelas 96 h

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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

Acute Toxicity - Algae

Component: Petroleum distillates, hydro treated light

Toxicity to Algae: Not applicable

Component: Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)

Toxicity to Algae: Not applicable

Component: Propane

Toxicity to Algae: Not applicable

Component: Pseudocumene

Toxicity to Algae: Not applicable

Component: Butane

Toxicity to Algae: Not applicable

Component: 1,3,5-Trimethylbenzene

Toxicity to Algae: Not applicable

Component: 1,2,3-Trimethylbenzene

Toxicity to Algae: Not applicable

Component: Cumene

Toxicity to Algae: EC50 = 2.6 mg/L Pseudokirchneriella subcapitata 72 h

13. Disposal considerations

Product Disposal

Dispose of contents/container in accordance with local regulation.

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

U.N. Number

1950

UN proper shipping name

Aerosols, Flammable

Transport hazard class(es)

2.1

Hazchem Code

2(Y)

IERG Number

49

UN Number (Air Transport, ICAO)

1950

IATA/ICAO Proper Shipping Name

Aerosols, flammable

IATA/ICAO Hazard Class

2.1

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IMDG UN No

1950

IMDG Proper Shipping Name

Aerosols, Flammable

IMDG Hazard Class

2.1

Other Information

ADG 7

UN-No: UN1950

Proper Shipping Name: Aerosols, Flammable

Hazard Class: 2.1

Hazchem Code: 2(Y)

Description: UN1950, Aerosols, Flammable, 2.1, LTD QTY

15. Regulatory information

Poisons Schedule

S5

16. Other Information

References

No information available.

User Codes

User Title Label	User Codes
Wis Numbers	05399343

Signature of Preparer/Data Service

Arvind Rane

Revisions Highlighted

Reason for Revision: GHS-SDS FORMAT

Other Information

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END OF SDS

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