Safety Data Sheet KOOL-SPRAY HD AEROSOL

Supersedes Date - Initial Release **Issuing Date DEC 2019**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KOOL-SPRAY HD AEROSOL
Recommended use Lubricant
Manufacturer, importer, supplier
NCH AUSTRALIA PTY LTD
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: 5613
Chemical nature Hydrocarbons Mixture
Distributor
NCH AUSTRALIA PTY LTD
N2, 391, PARK ROAD, REGENTS PARK, NSW 2143
Telephone inquiry
+61-2-96690260
Emergency Telephone
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2. HAZARD IDENTIFICATION

Colour Red **Physical state** Liquid **Odour** Sweet, Cherry

GHS Classification

Physical Hazards

Flammable Aerosols	Category 2
Gases under pressure	Compressed Gas

Health Hazard

Aspiration Toxicity	Category 1
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Germ cell mutagenicity	Category 1B
Reproductive Toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

Other Hazards

None

Labeling

Signal Word **Danger**

Hazard Statements

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
H332 - Harmful if inhaled
H340 - May cause genetic defects
H361d - Suspected of damaging the unborn child

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
P271 - Use in a well-ventilated area.
P280 - Wear protective gloves, protective clothing and eye protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P308 + P313 - IF exposed or concerned, get medical attention
P331 - DO NOT induce vomiting
P332 + P313 - If skin irritation occurs, get medical attention.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C
P405 - Store locked up
P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight-%
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	64742-52-5	40-70
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	64742-47-8	10-30
Petroleum gases, liquified, sweetened	68476-86-8	10-30

Propane	74-98-6	5-10
Butane	106-97-8	5-10

4. FIRST AID MEASURES

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

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

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

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.

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. Ingestion and subsequent vomiting of this product can lead to aspiration of the product into the lungs which can cause damage and may be fatal.

5. FIRE-FIGHTING MEASURES

Flash Point Flammable **Method** No data available

Autoignition Temperature No information available.

Flammability Limits in Air %: Propellant. **Upper:** 9.5 **Lower:** 1.9

Suitable Extinguishing Media

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

Specific hazards arising from the chemical

Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions. Flame extension: 23.6 inches / 60 cm and Burnback: 5.9 inch / 15 cm.

Protective Equipment and Precautions for Firefighters

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

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. 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.

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 Avoid breathing vapors, mist or gas
Avoid contact with skin, eyes and clothing
Keep away from open flames, hot surfaces and sources of ignition

Storage Store in original container
Keep containers tightly closed in a dry, cool and well-ventilated place
Keep away from open flames, hot surfaces and sources of ignition

Storage Temperature **Minimum** 0°C **Maximum** 49°C

Storage Conditions **Indoor** **X** **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ES-TWA	ISHL	ACGIH TLV				
				Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	TWA: 5 mg/m^3	No data available	TWA: 5 mg/m^3; STEL: 10 mg/m^3
Petroleum distillates, hydrotreated light (<3% DMSO extractable)		No data available	525 mg/m^3 TWA	Propane		No data available	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.
Butane	TWA: 800 ppm TWA: 1900 mg/m^3	No data available	STEL: 1000 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 insufficient ventilation wear suitable respiratory equipment 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 For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Wear protective gloves/clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent
Color	Red
Physical state	Liquid
Odor	Sweet, Cherry
Odor Threshold	No data available
pH	Not applicable
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	No data available
Flash Point	Flammable
Method	No data available
Evaporation Rate	> 1.0 (Butyl acetate=1)
Vapor pressure	No data available
Solubility	Insoluble in water
Vapor Density	No information available
Specific Gravity	0.900
Autoignition Temperature	No information available.

Viscosity	Non viscous
Molecular Weight	No data available
Percent Volatile (Volume)	No information available
VOC Content (%)	10.1
VOC Content (g/L)	90.9

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide (CO2), Hydrogen chloride gas, Hydrocarbons.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

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

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	No information available
Gas	Not applicable
Mist	Not applicable
Vapor	Not applicable
Primary Routes of Entry	Skin contact.
Main Symptoms	
Acute Effects:	
Eyes	Causes eye irritation.
Skin	May cause skin irritation.
Inhalation	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. 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.
Target Organ Effects:	Central nervous system.
Aggravated Medical Conditions	No information available.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h	No data available	No data available
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	no data available	No data available	No data available
Propane	No information available	Not applicable	658 mg/L (Rat) 4h	No data available	No data available
Butane	No information available	Not applicable	30957 mg/m^3 (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)	No data available	Not applicable	No data available	No data available.	Skin Eyes Respiratory system
Propane	No data available	Not applicable	No data available	No data available.	Central nervous system
Butane	No data available	Not applicable	No data available	No data available.	Central nervous system

Carcinogenicity

The producer declares that it contains less than 3% DMSO extractable material by IP-346

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex I

12. ECOLOGICAL INFORMATION

Product Information No data available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Petroleum distillates, hydrotreated 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
Petroleum distillates, hydrotreated light (<3% DMSO extractable)	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	4720: 96 h Den-dronereides heteropoda mg/L LC50	N/A
Petroleum gases, liquified, sweetened	Not applicable	Oral	No data available	Not applicable	2.8
Propane	Not applicable	Oral	No data available	Not applicable	2.3
Butane	Not applicable	Oral	No data available	Not applicable	2.89

Ecotoxicity effects No information available
Persistence and Degradability No information available
Bioaccumulation No information available
Mobility No information available

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

ADG 7

UN Number UN1950
UN proper shipping name AEROSOLS
Hazard Class 2.1
Hazchem Code 2YE
Description UN1950, AEROSOLS, 2.1, LTD QTY

15. REGULATORY INFORMATION

Australia
POISON SCHEDULE **Schedule 5**

16. OTHER INFORMATION

Prepared By	Arvind Rane
Super cedes Date	INITIAL RELEASE
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Reason for Revision	INITIAL RELEASE -GHS-SDS FORMAT
Glossary	No information available.
List of References.	No information available.

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