



Safety Data Sheet

CERTOP 80W-90

Supersedes Date Initial Release

Issuing Date
DEC 2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CERTOP 80W-90
Recommended use Lubricant / Extreme Pressure Gear Oil
Manufacturer, importer, supplier
NCH AUSTRALIA PTY LTD , DIV. OF NCH CORPORATION
5-9, Ralph Street , Alexandria , NSW -2015
Telephone inquiry
+61-2-96690260
Emergency Telephone Number
+61-2-96690237 / 0401718972
Fax number
+61-2-96931562

Product Code 0021
Chemical nature Petroleum Distillates
Distributor
NCH AUSTRALIA PTY LTD K
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2. HAZARD IDENTIFICATION

Colour Amber

Physical State Liquid

Odour Oily

Mixture or Pure Substance: Mixture

GHS

Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

Other Hazards

None

Labelling

Signal Word Warning

Hazard

Statements

H320 - Causes eye irritation

Precautionary

Statements

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

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

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

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	64742-01-4	40-70

White mineral oil, solvent refined	8042-47-5	15-40
Severely refined mineral oil	68201-54-7	1-5
Lubricating oils, petroleum, hydro treated spent	64742-58-1	1-5
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		UP TO 100 %

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Get medical attention if symptoms occur. Do NOT induce vomiting.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	210 °C	Method	Open cup
Auto ignition Temperature	No information available.		
Flammability Limits in Air %:	Not applicable.	Upper	No data available Lower No data available
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical	Material can create slippery conditions.		
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. 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	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing Avoid breathing vapours or mists			
Storage	Store in original container Keep containers tightly closed in a dry, cool and well-ventilated place			
Storage Temperature	Minimum	-15 °C	Maximum	66 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ES-TWA	ISHL	ACGIH TLV
Residual oils (petroleum), solvent refined (<3% DMSO extractable)		no data available	5 mg/m ³
White mineral oil, solvent refined	TWA: 5 mg/m ³	no data available	5 mg/m ³
Severely refined mineral oil		no data available	5 mg/m ³
Lubricating oils, petroleum, hydro treated spent		no data available	5 mg/m ³

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

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. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent
Colour	Amber
Physical State	Liquid
Odour	Oily
Odour Threshold	No data available
pH	Not applicable
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	321 °C
Flash Point	210 °C
Method	Open cup
Evaporation Rate	0 (BuAc = 1)
Vapour Pressure	0.01 mmHg @ 21°C
Solubility	Negligible
Vapour Density	7.0 (air = 1)
Specific Gravity	0.88
Auto ignition Temperature	No information available.
Viscosity	Semi-viscous
Molecular Weight	No data available
Percent Volatile (Volume)	0
VOC Content (%)	0
VOC Content (g/L)	0

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Oxides of phosphorus, Sulphur oxides, Aldehydes, Hydrogen sulphide.
Possibility of Hazardous Reactions	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 (Rev. 3, 2009):

Oral LD50 5,399.00 mg/kg

Dermal LD50 3,582.00 mg/kg

Inhalation LC50

Gas Not applicable

Mist 3.94 mg/L

Vapour 4.00 mg/L

Primary Routes of Entry

Skin Absorption

Main Symptoms

Acute Effects

Eyes May cause eye irritation.

Skin May cause skin irritation.

Inhalation May cause irritation of respiratory tract. (Mist).

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Chronic Effects

Prolonged skin contact may defat the skin and produce dermatitis, Prolonged or repeated inhalation may cause damage to the lungs.

Target Organ Effects

Respiratory system, Central nervous system, Skin.

Aggravated Medical Conditions

Skin disorders, Respiratory disorders, Neurological disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h	no data available	no data available
White mineral oil, solvent refined	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h	no data available	no data available
Lubricating oils, petroleum, hydro treated spent	> 2000 mg/kg (Rat)	> 4480 mg/kg (Rabbit)	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
White mineral oil, solvent refined	no data available	no data available	no data available	no data available	eyes, respiratory system, skin

Carcinogenicity

There are no known carcinogenic substances in this product.

Component	ES	ACGIH	IARC	NTP	Other
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
White mineral oil, solvent refined	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No data available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	1000: 48 h Daphnia magna mg/L EC50	N/A
White mineral oil, solvent refined	no data available	LC50 > 10000 mg/L Lepomis macrochirus 96 h	no data available	no data available	>6

Lubricating oils, petroleum, hydro treated spent	no data available	LC50 = 3.2 mg/L Pimephales promelas 96 h LC50 = 79.6 mg/L Brachydanio rerio 96 h	no data available	no data available	N/A
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Eco toxicity 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	Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

ADG 7	Not regulated
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15. REGULATORY INFORMATION

Australia POISON SCHEDULE	Schedule 5
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16. OTHER INFORMATION

Prepared By	Arvind Rane
Super cedes Date	Initial Release
Issuing Date	DEC 2016
Reason for Revision	GHS-SDS FORMAT
List of References.	No information available.

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