



Safety Data Sheet INNERLUBE

Supersedes Date Initial Release

Issuing Date DEC 2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name INNERLUBE / HIGH CORE

Recommended use Lubricant

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 0542

Chemical nature Petroleum distillates & solvent mixture

Distributor

NCH AUSTRALIA PTY LTD

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2. HAZARD IDENTIFICATION

Colour Black

Physical State Liquid

Odour Petroleum distillates

Mixture or Pure Substance: Mixture

GHS**Classification**Physical Hazards

Flammable liquids

Category 3

Health Hazard

Aspiration Toxicity

Category 1

Other Hazards

None

LabellingSignal Word**Danger**HazardStatements

H226 - Flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

PrecautionaryStatements

P 202 - Do not handle until all safety precautions have been read & understood

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 - Keep container tightly closed

P243 - Take precautionary measures against static discharge

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P281 - Use personal protective equipment as required

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water/shower

P301+ P310 - IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician

P331- Do not induce vomiting.

P370 + P378 - In case of fire: use water spray, dry chemical , carbon dioxide ,

foam for extinction

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	ENCS	Weight %
Asphalt	8052-42-4	Present	30-60
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)	64742-52-5	Present	7-13
Petroleum distillates, hydro treated light	64742-47-8	Present	10-30
Oxidized heavy petroleum distillates	64742-97-8		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	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. 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. 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 cause cardiac arrhythmia.

5. FIRE-FIGHTING MEASURES

Flash Point	Flammable Liquid 27 °C	Method	Seta closed cup
Auto ignition Temperature	No information available.		
Flammability Limits in Air %	Solvent mixture. Upper 12.7	Lower	0.8
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂), Foam, Dry Chemical or Water fog. Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical	Combustible Liquid. Solvent vapours are heavier than air and may spread along floors. Vapours may ignite and explode. Material can create slippery conditions.		
Protective Equipment and Precautions for Firefighters	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. Remove all sources of ignition. Ensure adequate ventilation. 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.
Neutralizing Agent	None known.

7. HANDLING AND STORAGE

Handling	Keep away from open flames, hot surfaces and sources of ignition To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded 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 Keep away from heat and sources of ignition			
Storage Temperature	Minimum	2 °C	Maximum	38 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ES-TWA	ISHL	ACGIH TLV
Asphalt	TWA: 5 mg/m ³	no data available	TWA: 0.5 mg/m ³
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)		no data available	TWA: 5 mg/m ³ ; STEL: 10 mg/m ³
Petroleum distillates, hydro treated light		no data available	5 mg/m ³ as oil mist
Oxidized heavy petroleum distillates		no data available	No data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		no data available	No data available

Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

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. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque
Colour	Black
Physical State	Liquid
Odour	Petroleum distillates
Odour Threshold	No data available
pH	Not applicable
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	153 °C
Flash Point	Flammable Liquid 27 °C
Method	Seta closed cup
Evaporation Rate	0.36 (Butyl acetate=1)
Vapour Pressure	2.91 mm Hg @ 21°C
Solubility	Negligible
Vapour Density	10.1 (Air = 1.0)
Specific Gravity	0.881
Auto ignition Temperature	No information available.
Viscosity	Slight Viscous
Molecular Weight	No data available
Percent Volatile (Volume)	77.1
VOC Content (%)	76
VOC Photo reactive (Y/N)	Yes
VOC Content (g/L)	670

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 Products	Strong oxidizing agents, Acids, Bases, Halogenated hydrocarbon, Ammonia, Amines.
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Aldehydes, Ketones, Smoke.
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 2,713.00 mg/kg

Dermal LD50 2,553.00 mg/kg

Inhalation LC50

Gas Not applicable

Mist 5,424.00 mg/L

Vapour 5,867.00 mg/L

Primary Routes of Entry

Inhalation, Skin Absorption, Ingestion.

Main Symptoms

Acute Effects

Eyes

Causes eye irritation.

Skin

Causes skin irritation. May be absorbed through the skin in harmful amounts. May cause allergic skin reaction. Blood disorder may occur after prolonged skin contact. Acidosis. Repeated exposure may cause skin dryness or cracking.

Inhalation

May cause irritation of respiratory tract. Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis. 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 diarrhoea. Causes headache, drowsiness or other effects to the central nervous system. Acidosis. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Effects

Blood disorder may occur after prolonged inhalation, Bloody urine, May cause sensitization by skin contact, Contains a known or suspected carcinogen, Suspect reproductive hazard - contains material which may injure unborn child, Liver and kidney injuries may occur.

Target Organ Effects

Blood, Central nervous system, Kidney, Liver, Respiratory system, Lymphatic System, Skin, Eyes, Reproductive System, Spleen, Heart, Bone Marrow.

Aggravated Medical Conditions

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

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Asphalt	> 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)	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydro treated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h	no data available	no data available
Oxidized heavy petroleum distillates	no data available	no data available	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Asphalt	no data available	Skin sensitization	no data available	no data available	eyes, respiratory system (in animals: skin tumors), immune system
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	respiratory system
Petroleum distillates, hydro treated light	no data available	no data available	no data available	no data available	respiratory system, liver, kidney, CNS
Oxidized heavy petroleum distillates	no data available	no data available	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

Component	ES	ACGIH	IARC	NTP	Other
Asphalt	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydro treated light	not applicable	not applicable	not applicable	not applicable	not applicable
Oxidized heavy petroleum distillates	not applicable	not applicable	not applicable	not applicable	not applicable
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	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
Asphalt	no data available	no data available	no data available	no data available	>6
Petroleum distillates, hydro treated heavy naphthenic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A
Petroleum distillates, hydro treated light	no data available	LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h LC50 = 45 mg/L Pimephales promelas 96 h	no data available	no data available	N/A
Oxidized heavy petroleum distillates	no data available	no data available	no data available	no data available	N/A
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	N/A

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 in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

ADG 7

UN-No	UN1268
Proper Shipping Name	Petroleum distillates, n.o.s.
Hazard Class	3
Packing Group	III
Hazchem Code	3Y
Shipping Description	UN1268, Petroleum distillates, n.o.s.,3,PG III

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
Glossary	No information available.
List of References.	No information available.

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