

# Safety Data Sheet: LUBRA-GUARD ISO 46, LS

Supersedes Date 06/30/2010

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** LUBRA-GUARD ISO 46, LS  
**Recommended use** Lubricant  
**Information on Manufacturer**  
CHEMSEARCH DIV. OF NCH CORP.  
BOX 152170  
IRVING, TX 75015

**Product Code** 0553  
**Chemical nature** Petroleum distillates  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** amber

**Physical State** Liquid

**Odor** Oily

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

##### Other hazards

None

#### Labeling

##### Signal Word

**WARNING**

##### Hazard Statements

H320 - Causes eye irritation

##### Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists, get medical attention.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
White mineral oil, solvent refined	8042-47-5	60-100
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	64742-01-4	10-30

## 4. FIRST AID MEASURES

#### General advice

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

#### 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 if symptoms occur.

#### Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Flash Point** 429.6 °F / 221 °C

**Method** Open cup

**Flammability Limits in Air %** Not applicable.

**Upper** No data available **Lower** No data available

#### Suitable Extinguishing Media

Water spray. Carbon dioxide (CO<sub>2</sub>). 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, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**

**Health** 1

**Flammability** 1

**Instability** 0

HMIS

Health 1

Flammability 1

Instability 0

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. 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>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Neutralizing Agent</b>	Not applicable.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing mist.			
<b>Storage</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	-25 °F / -32 °C	<b>Maximum</b>	130 °F / 54 °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	ACGIH TLV	OSHA PEL	NIOSH
White mineral oil, solvent refined	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	IDLH 2500 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	No data available

<b>Engineering Measures</b>	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.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>General Hygiene Considerations</b>	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>Physical State</b>	Liquid	<b>Viscosity</b>	Slight viscous
<b>Color</b>	amber	<b>Odor</b>	Oily
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Transparent
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.87
<b>Evaporation Rate</b>	0 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	0.40
<b>VOC Content (%)</b>	0.4	<b>VOC Content (g/L)</b>	3
<b>Vapor Pressure</b>	0.02 mmHg @ 70°F	<b>Vapor Density</b>	5.7 (Air = 1.0)
<b>Solubility</b>	Negligible	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	550 °F / 288 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	429.6 °F / 221 °C	<b>Method</b>	Open cup
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	Not applicable.	<b>Upper</b>	No data available
		<b>Lower</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon oxides
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

## Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

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

**Primary Routes of Entry** None known

**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 diarrhea.

**Chronic Toxicity**

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

**Aggravated Medical Conditions**

Skin disorders, Respiratory disorders.

**Component Information**

**Acute Toxicity** None known

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
White mineral oil, solvent refined	> 5000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
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

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	no data available
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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

## 12. ECOLOGICAL INFORMATION

**Product Information** No information available.

**Component Information**

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

**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

**DOT** Not regulated

**TDG** Not regulated

ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

### 15. REGULATORY INFORMATION

**Inventories**

TSCA	Complies
DSL	Complies

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

**CERCLA**

Component	Hazardous Substances RQs	CERCLA EHS RQs
White mineral oil, solvent refined	Not applicable	Not applicable
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	Not applicable	Not applicable

### 16. OTHER INFORMATION

<b>Prepared By</b>	Rachael Mohochi
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<b>Glossary</b>	No information available.
<b>List of References.</b>	No information available.

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