Safety Data Sheet: LUBRA-GUARD ISO 46, LS

Supercedes Date 06/30/2010 **Issuing Date** 02/18/2014

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 (CO2). 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

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)

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

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

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature **Minimum** -25 °F / -32 °C **Maximum** 130 °F / 54 °C

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
White mineral oil, solvent refined	5 mg/m^3	5 mg/m^3	IDLH 2500 mg/m^3 STEL 10 mg/m^3
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	5 mg/m^3	5 mg/m^3	No data available

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

Eye/Face Protection Safety glasses with side-shields.

Skin Protection For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

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.

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

Physical State	Liquid	**Viscosity**	Slight viscous
Color	amber	**Odor**	Oily
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	Not applicable	**Specific Gravity**	0.87
Evaporation Rate	0 (Butyl acetate=1)	**Percent Volatile (Volume)**	0.40
VOC Content (%)	0.4	**VOC Content (g/L)**	3
Vapor Pressure	0.02 mmHg @ 70°F	**Vapor Density**	5.7 (Air = 1.0)
Solubility	Negligible	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	550 °F / 288 °C	**Flammability (solid, gas)**	No data available
Flash Point	429.6 °F / 221 °C	**Method**	Open cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %	Not applicable.		

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

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

Possibility of Hazardous Reactions 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):

Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50
Gas No information available
Mist No information available
Vapor 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	not applicable	not applicable	not applicable	not applicable
Residual oils (petroleum), solvent refined (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	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 Lepomis macrochirus 96 h	no data available	no data available	>6
Residual oils (petroleum), solvent refined (<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

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 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

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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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