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Safety Data Sheet

1. IDENTIFICATION

Product Identifier	NIKKOL SG-L400
Supplier	NIKKO CHEMICALS (SINGAPORE) PTE LTD
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2. HAZARDS IDENTIFICATION

GHS classification:

Flammable liquid	Not classified
Acute toxicity:	
Oral	Not classified
Dermal	Not classified
Inhalation	Classification not possible
Skin corrosion / irritation	Category 2
Serious eye damage / irritation	Category 1
Skin sensitization	Not classified
Respiratory sensitization	Classification not possible
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Classification not possible
Specific target organ toxicity (single exposure)	Classification not possible
Specific target organ toxicity (repeated exposure)	Classification not possible
Aspiration hazard	Classification not possible
Environmental hazards:	
Aquatic toxicity (acute)	Category 1
Aquatic toxicity (chronic)	Classification not possible

GHS label elements:

Pictograms



Signal word

Danger

Hazard statements:

Causes skin irritation
Causes serious eye damage
Very toxic to aquatic life

Precautionary statements:

Prevention

Wash hands and face thoroughly after handling
Wear protective gloves / protective clothing / eye protection / face protection
Avoid release to the environment

Response

IF SWALLOWED: Rinse mouth. Call a POISON CENTRE or doctor / physician if you feel unwell.
 IF ON SKIN: Wash with plenty of soap and water.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If skin irritation occurs: Get medical advice / attention.
 Take off contaminated clothing and wash before reuse
 Immediately call a POISON CENTRE or doctor / physician.
 Collect spillage

Storage

Store in a dry place. Store in a closed container.
 Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents / container in accordance with local / regional / national / international regulations.

Other hazards which do not result in classification

No data

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture	Substance	
Ingredients and Concentration Range:	Concentration (%)	CAS No.
Ingredient (INCI NAME)		
POE (4) Lauryl Ether (Laureth-4)	100	68439-50-9

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air, keep warm and at rest.
 Seek medical attention if necessary.

Skin Contact:

Wash thoroughly with soap and water.
 Seek medical attention if blistering occurs or redness persists.
 Contaminated clothing should be washed or dry-cleaned before re-use.

Eye Contact:

Flush eye with plenty of water for at least 15 minutes, holding the eye open.
 Seek medical attention.

Ingestion:

Rinse out mouth with water. Drink plenty of water or milk.
 Seek medical attention.

5. FIRE-FIGHTING MEASURES

Suitable fire-extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinguishing.

Extinguishing media which must not be used for safety reasons:

Avoid using large quantities of water

Specific hazards in the event of fire:

Fumes containing carbon dioxide and carbon monoxide may be formed in large fires
May make floor very slippery

Special protective actions for fire fighters:

Use self-contained breathing apparatus
Wear protective clothing

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures:

Wear gloves, safety goggles, protective overalls and safety shoes.
Ensure adequate ventilation.

Environmental precautions:

Do not allow to flow into drainage / sewage system.
Do not discharge into the subsoil/soil

Methods and materials for containment and cleaning up:

Transfer product to suitably labeled containers for disposal at an approved site according to local laws and regulations
Absorb spillage onto inert material (e.g. sand).
Wipe away remains with adsorbent material (cloth, fabric etc.).
Wash away residue and small spillages with water and detergent.

7. HANDLING AND STORAGE

Precautions for safe handling:

Normal precautions should be observed as for handling all chemicals.
Use gloves and wear goggles when handling.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed and store in a cool, dry and well-ventilated place.
Excessive heat will cause colour degradation
Avoid open flames and direct sunlight

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters / Occupational Exposure Limits:

No data

Appropriate engineering control measure:

Provide general or local exhaust ventilation systems to maintain airborne concentrations at its minimal level.

Individual protection measures, such as personal protective equipment (PPE):

Hand Protection : Suitable protective gloves.
Eyes Protection : Safety goggles.
Body Protection : Protective overalls and safety shoes/boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	White to pale yellow
Odour	Characteristic
Odour threshold	No data
pH	4 - 7 (at 5%)
Melting point	No data
Boiling point	No data
Flash point (PMCC)	> 200°C
Upper/lower flammability or explosive limits	No data
Evaporation rate	No data
Vapour pressure	No data
Vapour density	No data
Density / Relative density	No data
Solubility	No data
Partition coefficient: n-octanol/water	No data
Flammability (solid, gas)	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Molecular mass	No data

10. STABILITY AND REACTIVITY

Reactivity:

No data

Chemical stability:

Stable under normal conditions

Possibility of hazardous reaction:

No data

Conditions to avoid:

Avoid heat, flames, sparks and other sources of ignition

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

Incomplete combustion can produce fumes of carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral	Rat, LD50: Male 8.6 g/kg, Female 9.1 g/kg Mouse, LD50: Male 4.9 g/kg, Female 7.6 g/kg Swiss mouse (weight 25~30g), LD50: 5~10 g/kg (Reference: POE (2) Lauryl Ether)
Dermal	Rat, LD50: >2000mg/kg, 8000mg/kg not die (Reference: POE (2) Lauryl Ether)
Inhalation	No data

Skin corrosion / irritation

Rabbit, Draize, 72hrs, edema, P II: 0.58/8
 (Reference: POE (2) Lauryl Ether)

Serious eye damage / irritation

Rabbit, Draize, 10%, 20%: Mildly irritating, 100%: Moderately irritating
 (Reference: POE (2) Lauryl Ether)

Respiratory or skin sensitization

C12AE(9), Marmotte, into skin 3 times/week, total 9 times for 3 weeks, evoke: 2 weeks, result: no sensitization (Reference: POE (2) Lauryl Ether)

Germ cell mutagenicity

In vitro, In vivo: Negative (Reference: POE (2) Lauryl Ether)

Carcinogenicity

Mouse, 2 years by oral administration, Negative
 (Reference: POE (2) Lauryl Ether)

Reproductive toxicity

No data

Specific target organ toxicity

No data

Aspiration hazard

No data

12. ECOLOGICAL INFORMATION

Toxicity

Fathead minnow, 96h, LC50: 0.48~12 mg/L (EO: 3~12)

Persistence and degradability

No data

Bioaccumulative potential

No data

Mobility in soil

No data

Other adverse effect

No data

13. DISPOSAL CONSIDERATIONS

Do not wash into drains /sewers / rivers etc.
 Dispose of in accordance with local and national regulations.
 Seek advice from local waste authority for guidance.

14. TRANSPORT INFORMATION

Land (ADR/RID)

UN Number	3082
Class	9
Packing group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s. (Polyoxyethylene (4) Lauryl Ether)

Sea (IMDG)

UN Number	3082
Class	9
Packing group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s. (Polyoxyethylene (4) Lauryl Ether)
Marine pollutant	Yes

Air (IATA)

UN Number	3082
Class	9
Packing group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s. (Polyoxyethylene (4) Lauryl Ether)

Special precautions:

Ensure containers without breakage or leakage.
 Ensure containers tightly fixed.
 Follow all regulations in your country or region.

15. REGULATORY INFORMATION

Chemical Inventory Status:

ENCS (Japan)	7 - 97
TSCA (USA)	Yes
EINECS (EU)	Polymer
AICS (Australia)	Yes
DSL (Canada)	Yes
ECL (Korea)	KE-13387
IECSC (China)	Yes

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Nikko Chemicals (S) Pte Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.
