



SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier	NIKKOL SG-KH4000 NIKKOL SG-KH4000L
Other means of identification	POE (40) Hydrogenated Castor Oil, PEG-40 Hydrogenated Castor Oil
Recommended use and restriction on use	
Supplier	NIKKO CHEMICALS (SINGAPORE) PTE LTD
Address	39 Ayer Merbau Road, Jurong Island Singapore 627718
Phone	+65 6896 6552
Fax	+65 6896 6557
Emergency contact	+65 6896 6552

2. HAZARDS IDENTIFICATION

GHS classification:

Flammable liquid	Not classified
Acute toxicity:	
Oral	Not classified
Dermal	Classification not possible
Inhalation	Classification not possible
Skin corrosion / irritation	Classification not possible
Serious eye damage / irritation	Classification not possible
Skin sensitization	Not classified
Respiratory sensitization	Classification not possible
Germ cell mutagenicity	Not classified
Carcinogenicity	Classification not possible
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)	Classification not possible
Aquatic toxicity (chronic)	Classification not possible

GHS label elements:

Pictograms	No pictogram
Signal word	

Hazard statements: Not classified

Precautionary statements:

Prevention

Wash thoroughly after handling

Response

IF SWALLOWED: 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.



Storage

Store in a closed container.

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
Component	Castor oil, hydrogenated, ethoxylated
Concentration	100%
CAS Number	61788-85-0

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.

Special protective actions for fire fighters:

Use self-contained breathing apparatus

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.

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.

Avoid open flames.

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 : Chemical goggles.

Body Protection : Protective overalls and safety shoes/boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Viscous liquid to paste
Colour	Pale yellow
Odour	Characteristic
Odour threshold	No data
pH	5 – 7 (at 5%)
Melting point	No data
Boiling point	No data
Flash point	> 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:

Stable under normal conditions

Chemical stability:

Stable under normal conditions

Possibility of hazardous reaction:

Stable under normal conditions

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	: LD50, Rat, >20000mg/Kg
Dermal	: No data
Inhalation	: No data

Skin corrosion / irritation

No data

Serious eye damage / irritation

No data

Respiratory or skin sensitization

Human, 102 people, 3% in formulation: Non sensitization

Germ cell mutagenicity

Reverse mutation test: Negative, Chromosome abnormality test: Negative, Mouse micronucleus test: Negative

Carcinogenicity

No data

Reproductive toxicity

No data

Specific target organ toxicity

No data

Aspiration hazard

No data

12. ECOLOGICAL INFORMATION

Toxicity

No data



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

ADR / RID / IMDG / IATA

UN Number	Not applicable
Class	None
Packing group	None
Proper Shipping Name	None
Marine pollutant	No

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)	8-603
TSCA (USA)	Yes
EINECS (EU)	Polymer
AICS (Australia)	Yes
DSL (Canada)	Yes
ECL (Korea)	KE-05137
IECSC (China)	Yes

16. OTHER INFORMATION

Issue Date	April 07, 2011
1 st Revision Date	October 24, 2012
2 nd Revision Date	February 20, 2013
3 rd Revision Date	July 15, 2013

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.
