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Safety Data Sheet

1. IDENTIFICATION

Product Identifier	NIKKOL NIKKOMIX SR
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	Category 4
Dermal	Classification not possible
Inhalation	Classification not possible
Skin corrosion / irritation	Category 2
Serious eye damage / irritation	Category 2
Skin sensitization	Classification not possible
Respiratory sensitization	Classification not possible
Germ cell mutagenicity	Classification not possible
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)	Category 2
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
Wash thoroughly after handling

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 INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing. Call a POISON CENTRE or doctor / physician if you feel unwell.

Take off contaminated clothing and wash before reuse

Immediately call a POISON CENTRE or doctor / physician.

Collect spillage

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

Mixture

Ingredients and Concentration Range:

Ingredient (INCI NAME)	Concentration (%)	CAS No.
POE (9) Lauryl Ether (Laureth-9)	27	68439-50-9
POE (3) Lauryl Ether (Laureth-3)	18	68439-50-9
POE (7) Glyceryl Monococoate (PEG-7 Glyceryl Cocoate)	45	68201-46-7
Water	10	7732-18-5

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 monoxide, nitrogen oxide 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, soil etc.).

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.

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	Liquid
Colour	Colourless to Pale yellow
Odour	None
Odour threshold	No data
pH	4-8 (at 5% aq.sol.)
Melting point	No data
Boiling point	No data
Flash point (COC)	224°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	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 (3) Lauryl Ether)

Sea (IMDG)

UN Number	3082
Class	9
Packing group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s. (Polyoxyethylene (3) 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 (3) 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)
 TSCA (USA)
 EINECS (EU)
 AICS (Australia)
 DSL (Canada)
 ECL (Korea)
 IECSC (China)

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
