

Date of issue: 21 May 2014  
 Revision Date: 09 Jan 2020  
 Rev: 04

# Safety Data Sheet

## 1. IDENTIFICATION

Product Identifier	NIKKOL SG-IOP
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	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)	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.  
 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	Mono-constituent	
<b>Ingredients and Concentration Range:</b>		
Ingredient (INCI NAME)	Concentration (%)	CAS No.
2-Ethylhexyl Palmitate		
(Ethylhexyl Palmitate)	100	29806-73-3

---

**4. FIRST AID MEASURES**


---

**Inhalation:**

Remove victim to fresh air.  
 Respiratory problems: consult a doctor/medical service.

**Skin Contact:**

Wash thoroughly with soap and water.  
 Seek medical attention if blistering occurs or redness persists.

**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. Call Poison Information Center.  
 Seek medical attention.

---

**5. FIRE-FIGHTING MEASURES**


---

**Suitable fire-extinguishing media:**

AFFF foam. BC powder, Carbon dioxide. Dry sand. Dry chemical powder.  
 Adapt extinguishing media to the environment.

**Extinguishing media which must not be used for safety reasons:**

Avoid using large quantities of water.  
 Solid water jet ineffective as extinguishing medium.

**Specific hazards in the event of fire:**

DIRECT FIRE HAZARD. Combustible. INDIRECT FIRE HAZARD. Heating increases the fire hazard.  
 Temperature above flash point: higher fire/explosion hazard.

**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:**

Prevent soil and water pollution.

### **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. dry sand/earth/ vermiculite or powdered limestone).  
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:**

Handling temperature:  $\geq 10^{\circ}\text{C}$  above melting point.

### **Precautions for rules on packing:**

SPECIAL REQUIREMENTS: closing. Correctly labelled. Meet the legal requirements.

### **Conditions for safe storage, including any incompatibilities:**

KEEP SUBSTANCE AWAY FROM: ignition sources. (strong) acids. (strong) bases.  
Keep container in a well-ventilated place. Store at ambient temperature.  
Keep out of direct sunlight. Meet the legal requirements.

---

## 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 Yellowish
Odour	Faint Characteristic odour
Odour threshold	No data
pH	5 – 8 %
Melting point	No data
Boiling point	> 150°C
Freezing point	< -10°C
Flash point	220°C (ASTM D92)
Upper/lower flammability or explosive limits	No data
Evaporation rate	No data
Vapour pressure	No data
Vapour density	No data
Density / Relative density	ca. 859kg/m <sup>3</sup> (20°C)
Solubility	Soluble in oils, fats organic solvents. Insoluble in water.
Log Pow	> 3
Self-ignition temperature	> 250 °C
Decomposition temperature	> Flash point
Viscosity	ca. 8,5 mm <sup>2</sup> /s (40°C)

---

## 10. STABILITY AND REACTIVITY

---

### Reactivity:

On burning: release of (carbon monoxide – carbon dioxide)

### Chemical stability:

Stable under normal conditions

### Possibility of hazardous reaction:

No additional information available

### Conditions to avoid:

No supplementary information available.

### Incompatible materials:

No data

### Hazardous decomposition products:

No data

---

## 11. TOXICOLOGICAL INFORMATION

---

**Acute toxicity**

Oral	: LD50, Rat, 20000mg/Kg Non-toxic
Dermal	: No data
Inhalation	: No data

**Skin corrosion / irritation**

No data

**Serious eye damage / irritation**

No data

**Respiratory or skin sensitization**

No data

**Germ cell mutagenicity**

No data

**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**

Log Pow: > 3

**Mobility in soil**

No data

**Result of PBT and vPvB assessment**

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)	2-798
TSCA (USA)	Yes
AICS (Australia)	Yes
DSL (Canada)	Yes
ECL (Korea)	KE-13809
IECSC (China)	Yes
ECST (Taiwan)	Yes
NZIoC (New Zealand)	Yes
PICCS (Philippine)	Yes
EC (European Community)	Yes
EINECS (EU)	249-86-21

---

## 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.

---