MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT IDENTIFICATION

Product Name	NIKKOL HCO-80
Common Chemical Name	POE(80) Hydrogenated Castor Oil
Product Code (Supplier)	NIKKO CHEMICALS CO., LTD.
INCI Name	PEG-80 Hydrogenated Castor Oil
CAS Number	61788-85-0

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Substance

Information on hazardous ingredients

Chemical Name	%	EINECS No.	CAS Number

3. HAZARD IDENTIFICATION

Human Health Hazards: Not expected if handled and used properly.

4. FIRST AID MEASURES

Effects and Symptoms:

Ingestion	No adverse effects known
Inhalation	No adverse effects known
Skin Contact	No known effects
Eye Contact	No known effects

First Aid Measures:

Ingestion:	Induce vomiting by letting victim drink plenty of water Call a doctor at once.
Inhalation:	Supply person with fresh air. If symptoms persist, call a doctor.
Skin contact:	Wipe affected part and flush with lots of water. Ask medical doctor if skin is irritated.
Eye contact:	Rinse thoroughly with a lot of water for some minutes. Call a doctor if necessary.

5. FIRE FIGHTING MEASURES

Extinguishing Media Suitable:	Dry chemical. Carbon dioxide. Foam.
Special Firefighting Procedures:	In case of insufficient ventilation, wear suitable respiratory equipment.

Hazardous Thermal (de)composition Products: None

Protection of Firefighters: According to size of fire.

6.ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin and eyes.
Environmental Precautions:	Do not empty into drains.
Methods of cleaning up	Cover with absorbent material. Take up mechanically. Rinse the remaining material with lots of water.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes.
Storage:	Keep away from direct sunlight. Keep container tightly closed and dry. Store product only in closed original packaging.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory System Protection:	No special respirator needed.
Skin and Body Protection:	Wear suitable protective clothing and gloves.
Hand Protection:	Wear suitable gloves.
Eye Protection:	Eye goggles, with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Waxy substance
Color:	White to pale yellow
Odor:	Faint characteristic odor
pH:	4.5 – 6.5 (5% aq. sol.)
Solubility:	
Water	Soluble

10. STABILITY AND REACTIVITY

Conditions to avoid:	The data available do not support any physical or chemical hazard.
Materials to avoid:	Not reactive
Hazardous Decomposition Products:	None

11. TOXICOLOGICAL INFORMATION

Skin Irritation:	No data
Eye Irritation:	No data
Sensitization:	No data

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Method of Disposal:	Take notice of national special regulations.

14. TRANSPORT INFORMATION

Land - Road/Railway	This product is not classified according to ADR/RID
Inland Watrways	This product is not classified according to ADNR
Sea	This product is not classified according to IMDG
Air	This product is not classified according to IATA
National Transport Regulations	No additional national transport regulations are known to the supplier.

15. REGULATORY INFORMATION

Label Name:	NIKKOL HCO-80

16. OTHER INFORMATION

History

Date of issue	May 18, 2007
Authorizer	T. Murata

The statements made here are supposed to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics and are made to the best of our current knowledge.