

MATERIAL SAFETY DATA SHEET
Leepol™ HCO FLAKE

THE LEELA CORPORATION
Page 1 of 5

Section 1

Chemical Product and Company Identification

THE LEELA CORPORATION

F2, Mangalam Nirwana 2,
B/h Umiya Campus, Sola,
Ahmedabad – 380060
Gujarat, India

Product Trade Name	Leepol™ HCO FLAKE
Chemical Name	HCO (Hydrogenated Castor Oil)
CAS Number	8001-78-3
Transportation Emergency	FOR TRANSPORT EMERGENCY call Mr. Ujas Patel Phone No. +91 9724216384
MSDS No.	MSDS/TLC/ HCO FLAKE/21-22

Raw Material of Grease, Additive for Synthetic resin (Lubricants, Pigment dispersants, Stabilizers)(PVC.ABS.), Additives for inks/paints(Adhesions, Penetrations), Additives for Rubber (Texturizing agents, Processing aids, Dusting agents),Material for Aroma chemicals, Surfactants, Insulating oils, Insulating compounds, Substitute agents of natural varnishes, Stationery(Color leads, Crayons, Carbon papers),Pharmaceuticals(Lubricants, Fruit grazes)

Section 2

Hazards Identification

Specific hazards : Not a HAZARDOUS SUBSTANCE or preparation.
GHS Classification : Not applicable standards classification.
COUNTRY/ Region : Fire Act specifies COMBUSTIBLE materials (flammable solid class)

Section 3 Composition/ Information on ingredients

Substance/Mixture	: Substance
Chemical name (Generic name)	: Hydrogenated castor oil
Alias	: Hydrogenated castor oil
Content	: 100%
Chemical formula	: C57H110O9
CAS registry number	: 8001-78-3
INCI name	: HYDROGENATED CASTOR OIL

Section 4 First Aid Measures

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

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention.

IF IN EYES: Rinse cautiously with clean water for at least fifteen minutes, If eye irritation persists, get medical advice/attention.

IF SWALLOWED: Mouth wash 1-2 cups or glasses of water and salt water drink, induce vomiting. Call a doctor/physician. If there is no awareness, do not induce vomiting.

Section 5 Fire Fighting Measures

Extinguishant: fire-extinguishing powder, fire-extinguishing foam, carbon dioxide and sand.

Not to be used extinguishing agent : no information.

When a particular fire hazard : no information.

How specific firefighting : firefighting work, as much as possible from the wind.

Location of fire nearby, oft-limits to non-official ban.

We are firefighting protection: firefighting operation, the appropriate protective equipment (gloves, glasses, masks, etc.) to wear.

Section 6 Accidental Release Measures

Human health effects: Leakage around the location of the rope off, and off-limits to non-official.ban

Leakage during processing to make sure only, the protective gloves / protective glasses/wear protective clothing. Working from the windward, if things' have large leak, the people to evacuate to safety. If indoor and processed until provide adequate ventilation. Environmental effects:

Products leaked to the environmental careful to avoid adverse eff

containment and cleanup equipment ways: Brush to collect litter which can be sealed to collect the empty containers. Dust from occurring. Blot with a vacuum.

Secondary disaster prevention measures: Ignition source near a hurry except that one. And prepare a fire extinguishing agent.

Section 7	Handling and Storage
------------------	-----------------------------

Handling Technical measures: Protective glasses, gloves and other protective wear appropriate protective equipment. Dust may cause an explosion might. static electricity measures. Leak, spill, not to litter. Safe from unreasonable dust from occurring.

Overall exhaust, local exhausts Ventilation equipment: Refer Section 8 EXPOSURE PREVENTION AND PROTECTION MEASURES

Instructions for safe handling: Note fire. If exposure: immediately conduct a complete removal.

Storage Proper storage conditions: Store container tightly closed. Store container in well- ventilated and dark place and for avoids direct sunlight, well-ventilated storage in a dark place. 'Note fire. Safe containers and

Packaging materials: no information

Section 8	Exposure Controls/ Personal Protection
------------------	---

Skin protection	:	You should select the appropriate protective clothing for the activity and exposure, For example, Apron, boots.
Hand protection	:	Suitable protective gloves for chemicals even for prolonged direct contact.
Further Information	:	Data are based on our test data and bibliographic information from glove manufacturers or derive from substances similar in composition. We must also consider that several factors (e.g. temperature) that impact during the use of a glove protection against chemical agents, may affect to much lower breakthrough time than the established one.
Eye protection	:	Safety glasses with side shields (goggles cage).
Body protection	:	Please observe the usual precautionary measures for handling the chemicals.

Section 9	Physical and chemical Properties
------------------	---

Physical state Shape: Solid (flakes)/ SOLID (POWDER)

Color: White

Odor: Slight characteristic odor

pH: Not date Changes in the physical state of a particular temperature/ temperature range Boiling point: >300°C 760 mmHg

Melting point: 85-87°C

Decomposition temperature	:	Not date
Flash point	:	304°C (Cleveland open-cup)
Ignition Point	:	335°C
Property explosion Explosion limit	:	Max:
Not date Min	:	Not date
Vapor pressure	:	Not date
Vapor-density	:	Not date
Density or specific gravity	:	0.97 g / c m3 (2 0 °C)
Bulk density	:	0.54g/cm3
Solubility	:	
Solubility in water	:	Insoluble
Organic solvents	:	Soluble in Ether, Chloroform, Petroleum benzene.
Octanol/water partition factor	:	Not date
Others	:	Not date

Section 10	Stability and Reactivity
-------------------	---------------------------------

Stability	:	Stable in normal use
Reactivity	:	Acid, alkali and not react to contact.
Avoided conditions	:	no information.
Avoided material	:	no information.
Hazardous product degradation	:	no information.
Others	:	no information.

Section 11	Toxicological Information
-------------------	----------------------------------

Acute toxicity: Oral mouse L D 50 : > 10g/kg (Data from castor oil, hydrogenated)
 Skin corrosion/irritation: Skin irritation: No noteworthy information
 Eye irritation: No noteworthy information.
 Classification of carcinogenicity
 International Agency for the Research on Cancer(IARC) : Not Applicable
 ACGIH: Not Applicable
 EPA: Not Applicable
 NTP: Not Applicable
 Mutagen: no information.
 Teratogenic: no information.
 Toxic to reproduction: no information

Section 12 Information On Environmental Impact

Ecotoxicity
Toxic fish: no information.
Others: no information.
Residual / degradable: no information.
Accumulation of ecology: no information.

Section 13 Disposal Considerations

Refer Section 7 on "STORAGE AND HANLLING PRECAUTIONS" In compliance with the local REGULATIONS, ENSURE to dispose of this PRODUCT.

Section 14 Transport Information

UN classification: Not Applicable UN NUMBERS: Not Applicable
Transport of certain SECURITY MEASURES: Note fire.
Refer Section 6 on ACCIDENTAL RELEASE MEASURES& Section 7 on STORAGE AND HANLLING PRECAUTIONS.

Section 15 Regulatory Information

This PRODUCT is not HAZARDOUS according to the OSHA hazard COMMUNICATION standard.
SARA 311 Classifications:

ACUTE Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

Section 16 Other information

Miscellaneous information: none references relevant manuals and publications own examinations toxicological and eco toxicological studies.

The information set forth herein has been gathered from standard reference materials and / or test data of **THE LEELA CORPORATION**. The information containing herein is based on the present state of our knowledge and is intended to describe our product from the view of safety requirements. It should not therefore be construed as guaranteeing specific properties.
This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Safe handling and use remain responsibility of the user.