



TGV SRAAC LIMITED

GONDIPARLA, KURNOOL - 518004

TGV SRAAC/MSDS/25
Rev. /Date: 01/03.07.2025



MSDS – HYDROGENATED CASTOR OIL

1. Company Identification:

TGV SRAAC LIMITED
(Formerly M/s Sree Rayalaseema Alkalies & Allied Chemicals Ltd.),
Gondiparla, Kurnool.
Phone : 08518 280006, 7, 8
Toll Free No. : 1800111735

2. Product Identification

Chemical Name : Hydrogenated Castor oil
Chemical formula : $C_{57}H_{110}O_9$
CAS# : 8001-78-3
EINECS# : 232-292-2
INCI Name : Hydrogenated Castor Oil
Recommended restrictions on the use and application:
Raw Material of Grease Additive for Synthetic resin (Lubricants, Pigment dispersants, Stabilizers)
Additives for inks/paints (Adhesions, Penetrations)
Additives for Rubber (Texturizing agents, Processing aids, Dusting agents) Material for Aroma chemicals, Surfactants, Compounds
Insulating oils, Insulating compounds Substitute agents of natural varnishes Stationery (Color leads, Crayons, Carbon papers) Pharmaceuticals (Lubricants, Fruit grazes)

3. Hazards Identification :

HCO is not a hazardous material nor does it contain any hazardous ingredients.

PHYSICAL & CHEMICAL HAZARDS: Heating may form flammable. Risk of explosion by static electricity.

4. First Aid Measures :

Eye Contact:
Gently rinse the affected eyes with clean water for at least 15 minutes. Arrange for transport to the nearest medical facility examination and treatment by a physician as soon as possible.

Skin Contact:

Remove all contaminated clothing, shoes and socks from the affected area as quickly as possible.

Wash using a mild soap. If irritation persists, arrange for transport the nearest medical facility for examination and treatment by a physician as soon as possible.

Inhalation: Remove the victim from the contamination immediately to fresh air. If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

Ingestion: Rinse mouth with water. Give the person one or two cups of water, try to get the victim to vomit by having the victim touch the back of their throat with a finger. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

5. Fire Fighting Measures :

Flammability of the Product: May be combustible at high temperature.

EXTINGUISHING MEDIA : Foam Carbon Dioxide, Water, Dry chemical powder.

UNSUITABLE EXTINGUISHING MEDIA : No restrictions. In case of fire, carbon monoxide & carbon dioxide can be formed.

SPECIAL PROTECTIVE EQUIPMENT: Firefighters should wear proper protective equipment. Keep personnel remove from and upwind of fire. Move container from fire areas if it can be done without risk.

6. Accidental Release Measures

Evacuate non essential personnel. Wear proper protective equipment. Shut off all sources of ignition. No flares, smoking or flames in area. Do not wash away into sewer or waterway. Sweep up, place in a bag and hold for waste disposal.

7. Handling and Storage :

HANDLING:
Avoid contact with skin or eyes. Wear proper protective equipment. Avoid rough handling or dropping.

Practice good personal hygiene after using this material, especially before eating, drinking, smoking or using a toilet.

STORAGE:

Storage in a cool and well-ventilated location.

8. Exposure Controls/Personnel

Protection:

ENGINEERING MEASURES:

Use only with adequate ventilation and in closed systems. Make available emergency over and eye wash in the work area.

PERSONAL PROTECTION: Usual as taken for

handling chemicals.

RESPIRATORY EQUIPMENT: Wear filter respirator or dust mask

HAND / SKIN PROTECTION: To prevent any contact, wear protective clothing such as gloves, apron, boots and proper suits.

9. Physical and chemical properties

APPEARANCE : White flakes or powder.

ODOUR : Like hardened vegetable oil

pH : Not applicable

BOILING POINT, °F : >300

MELTING RANGE, °C : 82 – 87

FLASH POINT, °C : >310

SPECIFIC GRAVITY : 0.93 @ 25°C

BULK DENSITY : 0.54 g/cm³

RELATIVE DENSITY @ 25°C: About 0.99

SOLUBILITY : xl

WATER : Insoluble

ORGANIC SOLVENTS : Soluble in Ether, Chloroform, petroleum benzene.

10. Stability and reactivity

STABILITY: This product is considered a stable material under normal and anticipated storage and Handling conditions.

FLASH POINT: 304°C (Cleveland open-cup)

AUTOIGNITION TEMP: 335°C

FLAMMABILITY: Heating may cause fire.

DUST EXPLOSIVES: Risk of dust explosion by static electricity

11. Toxicological Information :

ACUTE TOXICITY: Oral LD50 (rat) more than 35.8 g/kg

OTHERS: No data

12. Ecological Information :

Mobility : Not Determined

Degradability : Readily biodegradable

Accumulation : Minimum biodegradability is 60% BSB30/CSB resp. 70% DOC

Short & long term effects on :

Acute fish toxicity LCO > 100 mg/L

Eco toxicity : Bacteria toxicity ECO >

100mg/L Other adverse effects : None

13. Disposal Consideration:

Dissolve or mix the product with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations

14. Transport Information:

Not classified as hazardous

15. Regulatory Information:

Acc. to EEC Council Directive, it is not a dangerous substance, but suitable precautions of handling chemicals should be taken.

Local Regulatory bodies:

APPCB, Kurnool.

Dy. Chief Inspector of Factories, Kurnool

16. Other Information:

Information containing in this MSDS is believe to be reliable. But no guarantee is made as to its accuracy, suitability for a particular application or results to be obtained from them.

Contact Person :

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