



1400 N. Providence Road, Suite 302, Media, PA 19063

Tel: 484-234-5030 Fax: 484-234-5037

## MICRONIZED HYDROGENATED CASTOR OIL

### Safety Data Sheet

#### 1. Chemical product and company identification

Chemical Identity: Castor Oil Hydrogenated, Mainly 12-Hydroxy Stearic Acid

CAS. NO.: 8001-78-3

Chemical family: Vegetable oils

#### 2. Hazard identification

##### Emergency overview

Offwhite waxy flakes with a mild fatty..add odor.

ACCORDING TO ADANI WILMAR LTD,"INTERPRETATION OF THE OSHA I STANDARD, THIS IS NOT A HAZARDOUS MATERIAL.

##### Potential health effects

###### **EYE:**

Direct contact can cause mechanical irritation.

###### **SKIN:**

Prolonged or repeated contact may cause very mild irritation

###### **INHALATION:**

Based on experience, no effects are expected. As good industrial hygiene practice, avoid breathing vapor from the heated product.

###### **INGESTATION:**

Not a probable route of entry into the body

###### **SUBCHRONIC EFFECTS (Target Organ Effects) :**

No effects Known.

###### **CHRONIC EFFECTS:**

No known effects..

#### 3. Composition / Information on Ingredients

Exposure limit for total product	ACGIH TLV Not established	OSHA PEL Not established
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#### 4. First-Aid Measures General advice:

##### **EYE CONTACT:**

In case of contact, immediately flush eyes with plenty of water. Call a physician if signs of irritation appear.

##### **SKIN CONTACT:**



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As good industrial hygiene practice, at the end of each work shift, wash skin with plenty of soap and water.

**INHALATION:**

Remove to fresh air if effects occur from inhalation of vapors from the heated product.

**INGESTION:**

Emergency care should not be needed.

## 5. Fire-Fighting Measures

Flash Point	58.5
Upper/Lower flammable limits	Unknown
Auto ignition temperature	Unknown
Flammability classification	Non-hazardous
Flame propagation rate	Not applicable
Extinguishing media	Water fog, foam, carbon dioxide or dry chemical
Special precautions	Toxic gasses such as carbon monoxide may be released during fire. Use positive pressure, self-contained breathing apparatus and full protective clothing
Unusual fire and explosion hazards	None known

## 6. Accidental release measures

In a dean area, recover for reuse. Dispose of contaminated material.

## 7. Handling and Storage

Use adequate ventilation. Wash thoroughly after handling.

## 8. Exposure Controls and Personal Protection

### Personal protective equipment

**EYES:**

Use safety glasses. An eye wash is recommended.

**SKIN:**

As good industrial hygiene practice, impervious (for example, nitrite) gloves are recommended.

**INHALATION:**

For normal operations, no respiratory protection is required, An air purifying respirator designed for organic vapors should provide adequate protection when handling the heated product.

**ENGINEERING CONTROLS:**

For the product at ambient temperatures, use adequate ventilation. For the heated product, use exhaust ventilation to remove vapor.

## 9. Physical and Chemical Properties



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Form	Waxy flakes
Color	Off white
Odor	Mild fatty add
pH value	Not applicable
Melting point	88°C
Solubility in water	<0.1% @ 25°C
Vapor Density	Not applicable
Specific Gravity	0.90 @ 93°C

## 10. Stability and reactivity

### Chemical Stability:

Stable

### Conditions to avoid:

This product is not reactive with water

### Chemicals to avoid:

None known

### Hazardous polymerization:

Will not occur

### Hazardous Decomposition Products:

Thermal decomposition products can include toxic oxides of carbon.

## 11. Toxicological information

The total product is not on the International Agency for Research on Cancer (IARC) or National Toxicology Program (NTP) or OSHA lists of carcinogens or potential carcinogens.

### TOXICITY DATA:

The following data on test animals indicate that chemically similar products have low acute toxicity potential

### ROUTE-SERVICES

TEST	DOSAGE	UNITS	IRRITATION DATA
Oral-rat	LD50 >10	g / kg	No data available

OTHER: None known

## 12. Ecological information

There is no data available

## 13. Disposal considerations

Dispose of waste by landfill or incineration in accordance with all local, state and federal regulations.

Resource Conservation and Recovery Act (RCRA): This product is not included in the lists of hazardous substances (40 CFR 261.33), nor does it exhibit the characteristics of hazardous waste (40 CFR 261.20-24)

## 14. Transport information

DOT -Hazardous Materials Regulations



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DOT Hazard Class: Not applicable  
DOT Proper Shipping Name: Not applicable  
Technical Name: Not applicable  
DOT Identification Number: Not applicable  
Surface Freight Classification: Hydrogenated Castor Oil

## 15. Regulatory information

### Toxic substances Control Act (TSCA):

This Product is in the TSCA Inventory under CAS Number 8001-78-3.

### SARA, Title III, Section 313 (40 CFR 372):

This product contains the following substances at a level which is reportable under SARA Toxic Chemical Release Reporting Regulations:

Chemical Name	CAS #	Wt %
None		

### SARA 311/ 312 Hazard Categories:

This product has the following hazard categories:  
None

### New Jersey Worker and Community Right to Know Act:

This product contains the following top five ingredients.

Chemical name	CAS or NJTS#	Wt %
Castor Oil Hydrogenated	8001-78-3	100

## 16. Other Information

Hazard Ratings: NFPA 1 Health 1 Fire 0 Reactivity

Revision Note: Revision 6. Revised MSDS #.

The information contained herein is based on data believed to be reliable, but is furnished without warranty or guaranty of any kind.