

Safety Data Sheet



Issue Date: November 14, 2011

Revision Date: January 11, 2022

Version 2

1. IDENTIFICATION

Product identifier

Product Name Innoleate® HMR

Other means of identification

SDS # INL-001

Recommended use of the chemical and restrictions on use

Recommended Use Ingredient used in the manufacture of grease, plasticizers, resins, surfactants, etc.

Details of the supplier of the safety data sheet

Supplier Address

Innoleo LLC
Innoleo, LLC
10000 N. 10th Ave.
Suite 100
Tucson, AZ 85745
www.innoleo.com
sales@innoleo.com

Emergency telephone number

Company Phone Number Phone: (561) 994-8905
Fax: (561) 994-9247
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Waxy, opaque solid

Physical state flakes

Odor Characteristic

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Octadecanoic Acid, 12-hydroxy methyl ester	141-23-1	100

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	Immediately flush eye(s) with plenty of water. Hold eyelids open during flushing. Get medical attention if irritation occurs.
Skin Contact	Remove contaminated clothing. Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if cough or other symptoms develop.
Ingestion	Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention/advice.

Most important symptoms and effects, both acute and delayed

Symptoms	Contact with eyes may cause slight eye irritation. Prolonged or repeated skin contact may cause irritation.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Sand/earth. Dolomite (powdered limestone). Water spray (fog).

Unsuitable Extinguishing Media Do not use heavy water stream or water jet stream as this may spread the fire.

Specific Hazards Arising from the Chemical

None known.

Hazardous combustion products Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area and fight fire from a safe distance.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required. Avoid contact with eyes and skin.
Other Information	FOR ALL TRANSPORTATION ACCIDENTS CALL INFOTRAC 1-352-323-3500 (International) / 1-800-535-5053 (North America).

Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Minimize entry of material into sewers and drainage systems. Refer to permit discharge limitations. Isolate spill, preventing entry by unauthorized persons.
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Methods for Clean-Up

Sweep and place material into a chemical waste container. Scrub area with detergent and water.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Avoid spilling. Do not breathe dust.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep away from heat, sparks, and flame. Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from oxidizers. Store away from acids.

Incompatible Materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls**Engineering Controls**

Use process enclosures, local exhaust ventilation or other engineering controls to control dust, mist or vapors.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Safety glasses, chemical goggles if dust is a problem.

Skin and Body Protection

Impervious gloves and protective clothing are recommended.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

General Hygiene Considerations Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state
Appearance
Color

flakes
Waxy, opaque solid
Opaque

Odor
Odor Threshold

Characteristic
Not determined

Property**Values****Remarks • Method**

pH

Not Available

Melting point / freezing point

50 °C / 122 °F

Boiling point / boiling range

400 °C / 752 °F

Flash point

213 °C / 415 °F

Evaporation Rate

0

Flammability (Solid, Gas)

Not determined

Flammability Limit in Air

Upper flammability or explosive limits

Not available

Cleveland Open Cup

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Lower flammability or explosive limits	Not available	
Vapor Pressure	Not applicable	
Vapor Density	Not applicable	
Relative Density	0.88	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not available	
Decomposition temperature	Not determined	
Kinematic viscosity	Not available	
Dynamic Viscosity	Not available	
Explosive Properties	Dust explodable	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid

Avoid strong oxidizing agents.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Thermal decomposition products can include toxic oxides of carbon such as CO, CO₂ and dense smoke.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Not available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/E LINC	ENCS	IECSC	KECL	PICCS	AICS
Octadecanoic Acid, 12-hydroxy methyl ester	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINC - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Octadecanoic Acid, 12-hydroxy methyl ester 141-23-1	X		

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	1	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical hazards	Personal Protection
	1	1	0	Not determined

Issue Date: 14-Nov-2011
Revision Date: January 11, 2022
Revision Note: Address update

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet