



MATERIAL SAFETY DATA SHEET (MSDS)

Product Name:	IRAPON GMS	Document code:	PSJ-RD-FR-22-00
Chemical name:	Glycerol monostearate	Revision number:	00
Chemical class:		Revision date:	

COMPANY IDENTIFICATION

Manufacturer: PADIDEH SHIMI JAM CO.

Tell: +98(21)88580000

Address: No.16, Western Fourth Golbarg St., Baharestan St., Dadman Blvd., TEHRAN, IRAN

HAZARDS IDENTIFICATION

Classification: under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements: None required

Hazards not otherwise classified (HNOC): None identified

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
GLYCEROL MONOSTEARATE	68201-46-7	100%

FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Inhalation: Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Most important symptoms and effects: None reasonably foreseeable.

Notes to Physician: Treat symptomatically

FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Powder. Water spray. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the of explosion.

Unsuitable Extinguishing Media: No information available

Flash Point Method: No information available

Autoignition Temperature: No information available

Explosion Limits

Upper: No data available/ **Lower:** No data available

Sensitivity to Mechanical Impact: No information is available

Sensitivity to Static Discharge: No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products: Carbon monoxide (CO). Carbon dioxide (CO₂).

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.

NFPA

Health	Flammability	Instability
0	1	0





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ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental Precautions

Should not be released into the environment. See Section 12 for additional Ecological Information

Methods for Containment and Clean-Up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation

HANDLING AND STORAGE

Handling	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures	None under normal use conditions.
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Personal protective equipment

Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	No protective equipment is needed under normal use conditions
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

PHYSICAL & CHEMICAL PROPERTIES

Property	Description
Physical State	Solid
Appearance	No information available
Odor	No information available
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No data available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C17 H35 OCOCH2 CH(OH)CH2 OH
Molecular Weight	358.56





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STABILITY & REACTIVITY

Reactive Hazard	None known, based on information available.
Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products.
Incompatible Materials	Oxidizing agent.
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂)
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Component Information Toxicologically Synergistic Products	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	No information available
Sensitization	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen
Mutagenic Effects	No information available
Reproductive Effects	No information available
Developmental Effects	No information available
Teratogenicity	No information available
STOT - single exposure	None known
STOT - repeated exposure	None known
Aspiration hazard	No information available
Symptoms / effects, both acute and delayed	No information available
Endocrine Disruptor Information	No information available
Other Adverse Effects	The toxicological properties have not been fully investigated

ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and Degradability	No information available
Bioaccumulation/ Accumulation	No information available
Mobility	No information available

DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification
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TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated





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REGULATORY INFORMATION

United States of America Inventory

Component	CAS-No	TSCA	TSCA Inventory notification -Active/Inactive	TSCA - EPA Regulatory Flags
Glyceryl monostearate	31566-31-1	X	ACTIVE	-

United States of America Inventory

SARA 313	Not applicable
SARA 311/312 Hazard Categories	See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals
U.S. State Right-to-Know Regulations	Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ)	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Mexico - Grade

No information available

OTHER INFORMATION

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