



MATERIAL SAFETY DATA SHEET (MSDS)

| | | | |
|------------------------|--|-------------------------|-----------------|
| Product Name: | IRAPON 98 | Document code: | PSJ-RD-FR-22-00 |
| Chemical name: | Ethylene glycol distearate, Ethylene glycol monostearate | Revision number: | 00 |
| Chemical class: | Non Ionic (Glycol Ester) | 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

Potential health effects

Eyes: May cause conjunctival irritation accompanied by possible itching with tear formation.

Skin: Not expected to cause significant skin irritation.

Inhalation: Not expected to be a hazard under normal conditions of use.

Ingestion: Low order of acute oral toxicity.

Environmental Effects

Not expected to cause significant environmental impact

COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name | CAS Number | Percent |
|------------------------------|------------|---------|
| Ethylene glycol monostearate | 111-60-4 | Max. 10 |
| Ethylene glycol distearate | 627-83-8 | Min. 90 |

FIRST AID MEASURES

First aid procedures

Eye contact

Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.

Advice to Physicians Treat symptomatically.

Skin contact

Wash skin with soap and water. Remove contaminated clothing as washing proceeds.

Seek medical advice if irritation occurs. Contaminated clothing should be washed or dry-cleaned before re-use.

Inhalation

Remove from exposure. Keep warm and at rest. Seek medical attention if you feel unwell.

Ingestion

Wash out mouth with water. Keep warm and at rest. Obtain medical attention.

FIRE FIGHTING MEASURES

Extinguishing Media

Use water spray, foam, dry chemical or carbon dioxide.

Special Hazards of Product

Fumes containing carbon dioxide and carbon monoxide may be formed in large fires.

Protective Equipment for Fire- Fighting

Wear self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES

Spillages: Transfer into suitable containers for recovery or disposal.

Personal Precautions: Wear appropriate protective clothing. See Section 8.

Environmental Precautions

Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.





MATERIAL SAFETY DATA SHEET (MSDS)

| | | | |
|------------------------|--|-------------------------|-----------------|
| Product Name: | IRAPON 98 | Document code: | PSJ-RD-FR-22-00 |
| Chemical name: | Ethylene glycol distearate, Ethylene glycol monostearate | Revision number: | 00 |
| Chemical class: | Non Ionic (Glycol Ester) | Revision date: | |

HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing.

Storage

Storage area should be: dry between 10-40° C.

Do not store close to strong oxidising agents which could aggravate any fire situation

EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standards

No occupational exposure limit listed in current editions of EH40 (UK Health and Safety Executive or Threshold Limit values (American Conference of Governmental Industrial Hygienists.)

Engineering controls

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used. There should be local procedures for the selection, training, inspection and maintenance of this equipment. The following protection is recommended Wear impermeable safety footwear and industrial safety helmet.

Personal protective equipment

Hand Protection: PVC gloves.

Eye Protection : Safety Spectacles.

Body Protection : Protective overalls and safety shoes/boots.

Respiratory Protection: Respiratory protection not normally required.

PHYSICAL & CHEMICAL PROPERTIES

| | |
|----------------------|---|
| Physical State | Flakes |
| Colour | White |
| Odour | Characteristic |
| Melting point(°C) | 54-61 |
| Acid No | Max. 5 |
| Solubility | not soluble in water, soluble in IPA, toluene |
| Moisture content | Max. 1.0% |
| Mono ester | Max. 25% |
| Total ester | Max. 99% |
| Ash | Max. 0.05% |
| Saponification value | 180-195 |

STABILITY & REACTIVITY

| | |
|----------------------------------|--|
| Chemical Stability | Stable under normal conditions |
| Materials to Avoid | Strong oxidising agents |
| Hazardous Decomposition Products | Combustion will generate: oxides of carbon |

TOXICOLOGICAL INFORMATION

Acute Toxicity Oral: Low order of acute toxicity.

Irritation - Skin: The degree of irritation was insufficient to warrant labelling as a skin irritant.

Irritation - Eyes: The degree of irritation was insufficient to warrant labelling as an eye irritant.





MATERIAL SAFETY DATA SHEET (MSDS)

| | | | |
|------------------------|--|-------------------------|-----------------|
| Product Name: | IRAPON 98 | Document code: | PSJ-RD-FR-22-00 |
| Chemical name: | Ethylene glycol distearate, Ethylene glycol monostearate | Revision number: | 00 |
| Chemical class: | Non Ionic (Glycol Ester) | Revision date: | |

ECOLOGICAL INFORMATION

Ecological Overview

Not expected to cause significant environmental impact.

Mobility

The product is insoluble in water.

Persistence / Degradability

The rate of biodegradation will be governed by the low water solubility.

Ecotoxicity

The product is not expected to be classified as dangerous to aquatic organisms.

DISPOSAL CONSIDERATIONS

Product Disposal

Where practical, waste or surplus material should be recovered and recycled. When disposing of waste or surplus material avoid contact with the eyes and skin and inhalation. See Section 8 for personal protective equipment. Do not wash into drains. Do not mix with other waste materials. Seek advice from local waste authority or contact Huntsman Surface Sciences UK Limited for guidance. Dispose of in accordance with all applicable local and national regulations.

Container Disposal

Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Where practical, containers and packaging should be recycled by a licensed contractor.

TRANSPORT INFORMATION

Not classified as hazardous for transport

REGULATORY INFORMATION

Product not classified as dangerous for supply.

EINECS Number 292-932-1

OTHER INFORMATION

Uses and Restrictions

The uses of this product include the following :

Raw material for: Cleaning, washing agents Cosmetics, Toiletries

Disclaimer

Terms and Conditions. This MSDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this MSDS, or in any other way related (directly or indirectly) to this MSDS. The receipt and use of this information constitutes.

Issue date: 31 AUGUST 2021

