



MATERIAL SAFETY DATA SHEET (MSDS)

Product Name:	POLYNIL HP	Document code:	PSJ-RD-FR-22-00
Chemical name:	Sodium polyacrylate	Revision number:	00
Chemical class:	polycarboxylate	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

Emergency overview

Moderately irritating to the eyes. Contact with skin may cause irritation. May cause irritation of respiratory tract.

Potential health effects

Eyes: Moderately irritating to the eyes.

Skin: This product may cause irritation to the skin.

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS	Percent
Sodium Poly acrylate	9003-04-7	Proprietary
Water	7732-18-5	Proprietary

FIRST AID MEASURES

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention

Skin contact

For skin contact flush with large amounts of water. Immediately take off all contaminated clothing. If irritation persists get medical attention. Wash clothing separately before reuse.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If symptoms persist, get medical attention. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion

If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting.

FIRE FIGHTING MEASURES

Flammable properties

Extinguishing media

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Protection of firefighters

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.





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ACCIDENTAL RELEASE MEASURES

Methods for containment

Prevent entry into waterways, sewers, basements or confined areas.

Personal precautions

Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal

HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes contact and breathing in vapor, mists and aerosols. Wash hands thoroughly after handling.

Storage

Store in cool place. Keep in a well-ventilated place. Keep at temperatures between 10 °C and 40 °C. Do not store in metal containers. Keep containers closed when not in use-check regularly for leaks.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal protective equipment

General Eye wash fountain and emergency showers are recommended.

Eye / face protection Wear chemical goggles. Face-shield.

Skin protection Wear suitable protective clothing. Use impervious gloves.

Respiratory protection If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided

PHYSICAL & CHEMICAL PROPERTIES

Physical state	Liquid.
Form	Liquid.
pH	8.4-8.7
Freezing point	-5 °C
Boiling point	Not available
Evaporation rate	Not Determined or Unknown
Vapor pressure	Not Determined or Unknown
Vapor density	Not Determined or Unknown
Specific gravity	1.24 – 1.35 g/ml (25 °C)
Viscosity	Not Determined or Unknown
Percent volatile	Not Determined or Unknown





MATERIAL SAFETY DATA SHEET (MSDS)

Product Name:	POLYNIL HP	Document code:	PSJ-RD-FR-22-00
Chemical name:	Cocamidopropyl Hydroxysultaine	Revision number:	00
Chemical class:	Amphoteric (Sulfobetaine)	Revision date:	

STABILITY & REACTIVITY

Chemical stability

Stable at normal conditions.

Incompatible materials

Strong oxidizing agents This product may react with strong alkalis.

Hazardous decomposition products

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

Possibility of hazardous reactions

Will not occur.

TOXICOLOGICAL INFORMATION

Toxicological data

Acute toxicity	Oral LD50 : > 2500 mg/kg (Rat): 4600 mg/kg (Mouse) Dermal LD50 : ATE Value > 5000 mg/kg (Statements on toxicity have been derived from similar products) Inhalation LD50 : No data available
Corrosion/Irritation	Skin : Rat: 2000 mg/kg Eyes : Rabbit: 2mg - moderate
Sensitization	Respiratory : No data available Skin : No data available
Carcinogenicity	IARC CARCINOGEN LIST: GROUP 3
Mutagenicity	No data available
Reproductive Effects	No data available
Teratogenic Effects	No data available
Routes of Exposure	Eyes, Skin, Inhalation

Long Term Exposure Health Effects:

Eyes : Can cause severe irritation to the eyes if exposure is prolonged.

Skin : Can cause significant irritation if exposure is prolonged.

Inhalation : Can lead to coughing, nasal congestion, tightness of chest and /or shortness of breath.

Ingestion : Can lead to possible nausea or vomiting

ECOLOGICAL INFORMATION

Not available.

DISPOSAL CONSIDERATIONS

Disposal instructions

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

TRANSPORT INFORMATION

Notes

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.





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Chemical class:	Amphoteric (Sulfobetaine)	Revision date:	

REGULATORY INFORMATION

Reportable Quantity

There is no calculable reportable quantity (RQ) for this product.

CERCLA (Superfund) reportable quantity	None
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

* "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

OTHER INFORMATION

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
Health: 1
Flammability: 1
Physical hazard: 0
Personal protection: X

NFPA ratings
Health: 1
Flammability: 1
Instability: 0

Disclaimer

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The largest Manufacturer of
OLEOCHEMICAL RAW MATERIALS
and GLYCERIN (USP Grade) in IRAN

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