



MATERIAL SAFETY DATA SHEET (MSDS)

| | | | |
|------------------------|----------------------------------|-------------------------|-----------------|
| Product Name: | POLYNIL CP | Document code: | PSJ-RD-FR-22-00 |
| Chemical name: | Acrylic/maleic copolymer | Revision number: | 00 |
| Chemical class: | Anionic (sodium salt copolymer) | 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 of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Emergency overview

No particular hazards known.

COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name | CAS Number | Percent |
|--------------------------|------------|---------|
| Acrylic/maleic copolymer | 52255-49-9 | ≤ 39 % |
| Water | 7732-18-5 | ≥ 61% |

FIRST AID MEASURES

Description:

General Advice: Remove contaminated clothing

| | |
|------------|---|
| Skin | Wash thoroughly with soap and water. If irritation develops, seek medical attention |
| Eye | Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention |
| swallowed | Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required |
| Inhalation | Keep patient calm, remove to fresh air, seek medical attention |

FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Harmful vapours. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire

ACCIDENTAL RELEASE MEASURES

Accidental release measures

Personal precautions

Avoid dust formation.

Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of. Avoid raising dust.





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HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage

No special restrictions on storage with other products

Other data

Keep in a dry place at temperatures 10-40 °C. Stable under recommended storage conditions

EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye protection Safety glasses with side-shields.

Hand protection Remarks Chemical resistant protective gloves

Skin and body protection Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit

General advice

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs.

Avoid contact with skin and eyes. Remove contaminated clothing.

PHYSICAL & CHEMICAL PROPERTIES

| | |
|--|-----------------------------------|
| Appearance at 20°C | Clear solution to slightly yellow |
| Grade | Totally neutralized Na form |
| Dry residue(%) | 39 - 42 |
| Calcium carbonate dispersing capacity (mg CaCO ₃ /g) | min300 |
| Specific gravity (at 25°C) | 1.30 |
| pH (10 % in Water)(at 25°C) | 7- 8 |
| Brookfield Viscosity (mPa.s/cps at 25°C) | Max. 2200 |

STABILITY & REACTIVITY

Reactivity No data available

Chemical stability No data available

Possibility of hazardous reactions

Hazardous reactions Stable under recommended storage conditions.

Conditions to avoid None known.

Incompatible materials

Materials to avoid Strong oxidizing agents





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TOXICOLOGICAL INFORMATION

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: No data available

Persistence and degradability

Biodegradability: Readily biodegradable

Bioaccumulative potential

Bioaccumulation: No data available

Microorganisms/Effect on activated sludge

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Mobility in soil The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is possible.

Results of PBT and vPvB assessment

Assessment No data available

Other adverse effects

Environmental fate and pathways None.

DISPOSAL CONSIDERATIONS

Waste treatment methods

Do not discharge into drains/surface waters/groundwater.

Dispose of in accordance with national, state and local regulations.

Contaminated packaging

Empty remaining contents.

Empty containers should be taken to an approved waste handling site for recycling or disposal

TRANSPORT INFORMATION

Disclaimer

| | |
|--|--|
| UN number | Not regulated as a dangerous good. |
| Proper shipping name | Not regulated as a dangerous good |
| Transport hazard class | Not regulated as a dangerous good |
| Packing group | Not regulated as a dangerous good |
| Environmental hazards | Not regulated as a dangerous good |
| Special precautions for user | Not classified as dangerous in the meaning of transport regulations. |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable for product as supplied |





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REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

EPCRA 311/312 (Hazard categories):

Not hazardous;

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

OTHER INFORMATION

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