



## MAHBAD COMPANY

### Material Safety Data Sheet

#### SAP

#### 1: Identification of the substance/preparation and of the company/undertaking

**Product Name :** SAP, Sodium Polyacrylate, cross-linked

**Recommended use :** Sanitary hygiene (diaper, sanitary pad), industrial purpose

**Manufacturer/Supplier/Distributor information :**

Mahbad Mehr Tejarat Co.

**Tel:** +982122889808

**Email:** info@mahbadtco.com

#### 2: Composition and Information on Ingredients

Chemical name	CAS No.	EC No.	Index No.	Classification	Wt(%)
Sodium Polyacrylate, cross-linked	9003-04-07	-	-	Not Classified	92~100

#### 3: Hazards Identification

**Classification of the substance or mixture**

**Sodium acrylate; EC 231-2097**

**Hazard statement(s) :** None

**Precautionary statement(s)**

**IF IN EYES:** Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

**Hazard symbol(s):** None

**Other Hazards :** None

**GHS Format**

**Hazard/Risk Classification:**

**Acute Oral toxicity(mg/kg) :**Not Applicable

**Acute Dermal toxicity(mg/kg):**Not Applicable

**Skin irritation or Sensitization material:**Not Applicable

**Eye irritation material:**Not Applicable

**Label elements including precautionary statements**

**Symbol:**None

**Signal Word:**None

**Hazard/Risk Statement:**None

**Precautionary Statement:**



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#### Prevention

Wash thoroughly after handling.

#### Action

**IF IN EYES:** Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

**Other Hazard/Risk which are not included in the classification criteria**

#### 4: First aid measures

##### Eye contact

Rinse for a prolonged period with plenty of water, if necessary, consult a doctor.

##### Skin contact

Wash with plenty of water, If experiencing itch symptoms, call a doctor/physician.

##### Inhalation

Remove to fresh air if effects occur. Consult a physician.

##### Ingestion

Seek medical advice if feeling unwell.

##### Indication of immediate medical attention and notes for physician

Not Applicable

#### 5: Fire fighting measures

##### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media :** No Data available

**Unsuitable extinguishing media :** Not Applicable

**Big fire :** Not Applicable

**Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products):**

**Pyrolysis product :** carbon dioxide, carbon monoxide, hydrocarbon

**Risk of explosion or fire :** No Data available.

**Special protective equipment and precautions for fire-fighters :** No Data available

#### 6: Accidental release measures

##### Personal precautions, protective equipment and emergency procedures:

Wear Anti-dust mask, collect dust by vacuum.

##### Environmental precautions and protective procedures:

**Atmosphere :** Beware not to blow the dust..

**Soil :** Not Applicable

**In Water :** Not Applicable

##### Methods and materials for containment and cleaning up:

**Small or Massice quantity leaks:** If Spilled products contact with water or moisture, surfaces become slippery (Don't use water to clear. Sweep or collect dust by vacuum cleaner.



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#### 7: Handling and storage

**Precautions for safe handling :** Store in a dry place, cool place.

Avoid contact with skin and eyes.

Avoid dust formation.

Do not breathe dust.

Wash hand before breaks and at the end of workday.

**Conditions for safe storage (including any incompatibilities):**

Store in a dry & cool place

#### 8: Exposure controls & personal protection

##### Control parameters

Chemicals Name	CAS. No	TWA	STEL
Sodium Polyacrylate, cross-linked	9003-04-07	Not Applicable	No date available
Water	7732-18-5	Not Applicable	Not Applicable

##### Appropriate engineering controls:

Use respiratory protection when dust is formed.

Ensure sufficient workplace ventilation.

##### Personal protective equipment

###### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

###### Hands protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

###### Skin and Body protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

###### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.



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#### 9: Physical and chemical properties

<b>Appearance</b>	White powder
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No data available
<b>pH</b>	5.5~6.5 (at 5.0g/L 0.9% NaCl solution)
<b>Boiling/freezing point</b>	Not applicable
<b>Initial boiling/freezing point</b>	Not applicable
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/Lower explosion limit</b>	No data available
<b>Vapor pressure</b>	Not applicable
<b>Water solubility</b>	Not applicable
<b>Relative vapor density</b>	Not applicable
<b>Density</b>	0.6~0.8g/cm <sup>3</sup>
<b>Partition coefficient: n-octanol /water</b>	No data available
<b>Auto ignition temperature</b>	No data available
<b>Thermal decomposition</b>	>200°C
<b>Viscosity</b>	No data available

#### 10: Stability and reactivity

**Chemical stability :** Stable under normal conditions

**Possibility of hazardous reactions :** No Data available

**Conditions to avoid (e.g. static discharge, shock or vibration, etc) :**

May cleavage in high temperature (200°C)

**Incompatible materials :** No Data available

**Hazardous decomposition products :** carbon dioxide, carbon monoxide, hydrocarbon



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#### 11: Toxicological information

**Information on the likely routes of exposure:**

**Inhale :** No Data available

**Mouth :** No Data available

**Skin :** No Data available

**Eye :** No Data available

**Health hazards information**

**Acute Oral toxicity:** LD50>2,000mg/kg\*rat (Not classifiable)(MPI Research Result)

**Acute Dermal toxicity:** LD50>2,000mg/kg\*rat(Not classifiable)(MPI Research Result)

**Acute Inhalation toxicity(gas) :** Not Applicable

**Acute Inhalation toxicity(steam) :** Not Applicable

**Acute Inhalation toxicity(dust , mist) :** No Data available

**Skin irritation or Sensitization :** None (MPI Research Result)

**Eye irritation :** Moderately irritating (MPI Research Result)

**Respiratory hypersensitiveness :** No Data available

**Skin sensitization :** No Data available

**Carcinogenicity :** No Data available

**Germ Cell Mutagenicity :** No Data available

**Reproductive toxicity :** No Data available

**Specific target organ toxicity (single exposure) :** No Data available

**Specific target organ toxicity (repeated exposure) :** No Data available

**Aspiration hazard :** No Data available

#### 12: Ecological information

**Aquatic and terrestrial eco toxicity:**

**Fish :** No Data available

**crustacean :** No Data available

**Algae :** No Data available

**Persistence and degradability:**

**Persistence :** No Data available

**degradability :** No Data available

**Bio accumulative potential:**

**biodegradable :** No Data available

**Mobility in soil :** No Data available

**Other adverse effects :** No Data available

#### 13: Disposal considerations

**Disposal method :** Not Applicable

**Disposal precaution (including the disposal method of contaminated container and packaging):**  
Not Applicable



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#### 14: Transport information

**ADR/RID:** Not dangerous goods.

**IDMG:**Not dangerous goods

**IATA :**Not dangerous goods

**UN number :** None.

**UN proper shipping name:** Not Applicable

**Transport hazard class :** Not Applicable

**Packing group :** Not Applicable

**Marin pollution :** Not Applicable

**Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:**

**Sort of an extraordinary step on fire :** Not Applicable

**Sort of an extraordinary step on leaks :** Not Applicable

#### 15: Regulatory information

**Industrial Safety and Health Act :** Not Applicable

**Toxic Chemical Control Act :** Not Applicable

**Dangerous Material Safety Control Act :** Not Applicable

**Wastes Management Act :** No Data available

#### 16:Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing MSDS:** Product safety department