



## SAFETY DATA SHEET

In compliance with Regulation (EC) No 1907/2006(REACH) and amendments'

### Section 1 - Identification of Substance/ mixture and of the company/ undertaking

#### 1.1 Product identifier **RHEOSOL AP**

Other means of identification:

INCI Name: Sodium Polyacrylate

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For cosmetic use

Uses advised against: None known

#### 1.3 Details of the supplier of the safety data sheet

##### **Rheolab**

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Available: Monday-Friday 0900 – 1700 GMT

### Section 2 - Hazards Identification

#### 2.1 Classification of the substance or mixture

Classification according to Directive 1999/45/EC:

The product is a mixture that does not meet the criteria for classification in accordance with Directive 1999/45/EC.

#### 2.2 Label elements

Not applicable- not classified as hazardous in accordance with Directive 1999/45/EC.

#### 2.3 Other hazards

Splashes in the eye may cause irritation. May cause skin irritation. Prolonged or repeated skin exposure may cause dermatitis. May cause irritation to the respiratory system if mists or sprays are inhaled. Very slippery when wet - spillages can create a slip hazard.

## Section 3 - Composition / information on ingredients

### 3.1 Single substance

Description: Sodium Polyacrylate in white powder form

Composition:

CHEMICAL (INCI NAME)	CAS No	CONCENTRATION (Weight %)
Sodium Polyacrylate	9003-04-7	< 85%
Water	7732-18-5	< 15%

Hazardous components:

This product contains no hazardous substances that need to be taken into account according to Annex II of EC regulation 1907/2006 and amendments.

## Section 4 - First Aid Measures

### 4.1 Description of first-aid measures

Inhalation:

Do not inhale dust. No hazards which require special first aid measures.

Ingestion:

Never give anything by mouth if the casualty is losing consciousness, is unconscious or convulsing.

Do not make the casualty vomit.

If the casualty is conscious, first have them rinse their mouth thoroughly with water to remove as much of the product as possible.

Do not swallow the water but spit it out. Repeat several times.

Give the casualty 1 – 2 glasses of water to drink.

Skin contact:

Wash with soap and water.

Eye contact:

Immediately flush the contaminated eye(s) with eyewash solution or lukewarm, gently flowing water, for at least 10 minutes, while holding the eyelid(s) open.

If there are any signs of irritation seek medical attention immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

None known

### 4.3 Indication of any immediate medical attention and special treatment needed

None known

## **Section 5 - Fire-Fighting Measures**

### **5.1 Extinguishing media**

Suitable extinguishing media: Foam, dry powder, carbon dioxide

Unsuitable extinguishing media: Water spray is not recommended as the product becomes very slippery when mixed with water.

### **5.2 Special hazards arising from the substance or mixture.**

The product becomes very slippery underfoot when mixed with water.

### **5.3 Advice for fire fighters.**

As for all fires involving chemicals; chemical protection suit, suitable gloves and boots and self-contained breathing apparatus.

## **Section 6 - Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel:

Avoid contact with the eyes and skin.

Use personal protective equipment suitable for the task in hand – see section 8.

Spilled product that becomes wet creates a slip hazard – cordon off spillage site.

### **6.2 Environmental precautions**

Prevent spilled product from entering drains, sewers and watercourses.

### **6.3 Methods and material for containment and cleaning up**

Remove dry wherever possible.

Shovel and sweep into suitable containers for disposal.

After cleaning flush away traces with water- contain wash water and dispose of in accordance with local regulations.

### **6.4 Reference to other sections**

See section 8 for advice on personal protective equipment.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

Avoid dust formation.

Avoid build up and formation of dust – danger of dust explosion

Ensure good ventilation at the workplace.

Ensure good standards of housekeeping.

Do not eat, drink or smoke whilst handling the product.

Remove clothing that becomes contaminated immediately and launder before re-use.

### 7.2 Conditions for safe storage, including incompatibilities

Keep product cool and dry

Use appropriate containment to avoid environmental contamination- Ensure that any spillages cannot contaminate ground water, or enter drains or watercourses

### 7.3 Specific end use(s)

No specific recommendations.

## Section 8 - Exposure Controls / Personal Protection

### 8.1 Control parameters

UK HSE EH40 workplace exposure limits- not applicable.

### 8.2 Exposure controls

Eyewash facilities must be available in the work area.

The product is not intended to be sprayed- do not allow mists or sprays to be generated during use.

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Personal protective equipment (PPE) should be chosen in consultation with the PPE manufacturer and take into account the application e.g. scale of operation, temperature and other chemicals used.

- Eye/ face protection: Goggles or safety glasses depending on use.
- Skin protection- hand: Rubber or plastic gloves.
- Skin protection- other: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.
- Respiratory protection: Dust mask where dust greater than 10mg/m<sup>3</sup> may be generated.

Environmental exposure controls: No special requirements other than to prevent product from entering drains and watercourses.

## Section 9 - Physical and Chemical Properties

### 9.1 information on basic physical and chemical properties

(a) Appearance	Granular solid
(b) Odour	None
(c) Odour threshold	Not determined
(d) pH	4-9 (0.5% w/w solution in demineralised water)
(e) melting point/ freezing point	Not applicable
(f) initial boiling point and boiling range	Not determined
(g) Flash point (°C)	>100°C
(h) evaporation rate:	Not applicable
(i) Flammability (solid, gas): Upper/ lower flammability limits or explosive limits	Not applicable (liquid)
(j) Vapour pressure:	Not applicable
(k) vapour density:	
(l) relative density:	0.5-0.7 g/cm <sup>3</sup>
(m) solubility:	See technical data sheet
(n) partition coefficient: n- octanol/water:	Not applicable
(o) Auto- ignition temperature:	
(p) Decomposition temperature:	
(q) Viscosity:	See technical data sheet
(r) Explosive properties:	Not applicable
(s) oxidising properties:	Not applicable

### 9.2 Other information

## Section 10 - Stability and Reactivity

### 10.1 Reactivity

Not reactive under normal conditions of use

### 10.2 Chemical stability

Stable under normal conditions of use

### 10.3 Possibility of hazardous reaction

None known

### 10.4 Condition to avoid

Product quality can be affected by extremes of temperature, especially frost and freezing conditions

### 10.5 Incompatible materials

None known

### 10.6 Hazardous decomposition products

None. Product is stable. Combustion products are predominantly oxides of carbon.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

This material has not been tested on animals by Rheolab. Results below are by analogy.

- |                                |  |
|--------------------------------|--|
| (a) Acute toxicity:            | Oral route- non-toxic  |
| (b) Irritation:                | The results of in vitro testing on cell cultures showed this material to be only moderately irritating to the eyes. The results of testing on human volunteers (human patch test) showed this material to be non-irritating to the skin. |
| (c) Corrosivity:               | See 'irritation' above   |
| (d) Sensitisation:             | No data  |
| (e) Repeated dose toxicity:    | No data  |
| (f) Carcinogenicity:           | No data  |
| (g) Mutagenicity:              | No data  |
| (h) Toxicity for reproduction: | No data  |

Inhalation: This product is not expected to be harmful by inhalation.

Skin/eye exposure: The product is not expected to be harmful in contact with the skin. The product is not expected to be sensitising

## Section 12 - Ecological Information

**Aquatic toxicity** Values are based on data from raw materials or comparable substances:

Toxicity to fish : LC/50 Danio rerio/96 hours > 100 mg/l (OECD 203)

Toxicity to daphnia : EC/50 Daphnia magna/48 hours > 100 mg/l (OECD 202)

Toxicity to algae : IC50/Scenedesmus subspicatus/72 hours > 100 mg/l (OECD 201)

**12.2 Persistence and degradability -** Not readily biodegradable.

**12.3 Bio accumulative potential -** Does not bio-accumulate.

**12.4 Mobility in soil -** No data

**12.5 Results of PBT and vPvB assessment –** This is not identified as a PBT substance

**12.6 Other adverse effects -** No data

## Section 13 - Disposal Consideration

### 13.1 Waste treatment methods

Dispose of residues/ unused products in accordance with local and national regulations. Rinse empty containers with water and use the rinse water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local regulations.

## Section 14 - Transport Information

Not dangerous goods for transport

<b>14.1 UN number:</b>	Not applicable
<b>14.2 UN proper shipping name:</b>	Not applicable
<b>14.3 Transport hazard class(es):</b>	Not applicable
<b>14.4 Packing group:</b>	Not applicable
<b>14.5 Environmental hazards:</b>	Not applicable
<b>14.6 Special precautions for user:</b>	Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable

## Section 15 - Regulatory Information

**15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture-** none known

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

## Section 16 - Other Information

**Person issuing MSDS:**

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**Issue Date: 03/11/11**

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