

<b>Product Name</b>	<b>Alginic acid</b>
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## **Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

### **1.1. Product identification:**

**Product Description:** Alginic acid

**Synonyms:** NA

**CAS-No:** 9005-32-7

**EC-No.:** 232-680-1

**Molecular Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>

**REACH Registration No:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration, or the registration is Envisaged for a later registration deadline.

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

**Recommended Use:** Laboratory chemicals, Manufacturing of Substances

### **1.3. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**  
184-186/P, Chacharwadi Vasna,  
Sarkhej-Bavla Highway,  
Ta.: Sanand, Dist.: Ahmedabad-382110, Gujarat, India.  
Web: [www.finarchemicals.com](http://www.finarchemicals.com)
- **E-Mail Address** [safety.finar@actylis.com](mailto:safety.finar@actylis.com); [info.finar@actylis.com](mailto:info.finar@actylis.com)

### **1.4. Emergency Telephone Number:**

- For Emergency contact on: +91 - 2717 - 616 717

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## **SECTION 2: HAZARDS IDENTIFICATION**

### **2.1. Classification of the substance or mixture:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

### **2.2. Label Elements:**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

### **2.3. Other Hazards:**

None.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1. Substances:** Alginic acid

### **3.2. Mixtures:**

<b>Component</b>	<b>CAS-No</b>	<b>EC-No.</b>	<b>Weight %</b>
Alginic acid	9005-32-7	232-680-1	

## **SECTION 4: FIRST AID MEASURES**

### **4.1. Description of first aid measures:**

- **General advice**

- **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

- **If Contact with skin**

Wash off with soap and plenty of water.

- **In case of eye contact**

Flush eyes with water as a precaution

- **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### **4.2. Most important symptoms and effects, both acute and delayed:**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No information Available

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## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media:**

#### **Suitable Extinguishing Media-**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides

### **5.3. Advice for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary

### **5.4. Further Information:**

No information Available

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

### **6.2. Environmental precautions:**

Do not let product enter drains.

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

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Flush spill area with water. Provide ventilation Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4. Reference to other sections:**

For disposal see Sections 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling:**

#### **Advice on protection against fire and explosion**

Provide appropriate exhaust ventilation at places where dust is formed.

#### **Hygiene measures**

General industrial hygiene practice.

For precautions see section 2.2.

### **7.2. Conditions for safe storage, including any incompatibilities:**

#### **Storage conditions**

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

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**7.3. Specific end use(s):**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters:**

**Components with workplace control parameters**

**8.2. Exposure Controls:**

**Personal Protective Equipment:**

**Eye & Face Protection-**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**- Hand 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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact	Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min
Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)	

Splash contact	Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min
Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)	

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario

**- Body Protection -**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances,

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

- **Respiratory Protection-**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

- **Environmental Exposure Controls-**

Do not let product enter drains.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties:**

- **Appearance:** White amorphous -fibrous powder
- **Physical State:** Solid
- **Odor:** No data available
- **Odor Threshold:** No data available
- **pH:** 1.5 to 3.5
- **Melting Point:** 300°C
- **Critical Temperature:** No data available
- **Vapor Pressure:** No data available
- **Vapor Density:** No data available
- **Relative Density:** No data available
- **Auto-Ignition Temperature:** > 200 °C
- **Decomposition Temperature:** No data available
- **Volatility:** No data available
- **Bulk Density:** No data available
- **Viscosity, dynamic:** No data available
- **Viscosity, Kinematic:** No data available
- **Water/Oil Dist. Co eff.:** No data available
- **Partition Co-efficient: n-octanol/Water:** No data available
- **Ionicity (in Water):** No data available
- **Lower Explosion Limit:** No data available
- **Upper Explosion Limit:** No data available
- **Boiling Point/Range:** No data available

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- **Flash Point:** No data available
- **Water Solubility:** Very Slightly soluble in water
- **Molecular Weight:** 176.10 g/mol

**9.2. Other information:**

**Molecular Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>

## **SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity:**

No data available

**10.2. Chemical stability:**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions:**

No data available

**10.4. Conditions to avoid:**

Water, product will become slippery

**10.5. Incompatible materials:**

Strong oxidizing agents

**10.6. Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Carbon Dioxide, Carbon Monoxide)

In the event of fire: see section 5

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

**Acute Oral toxicity**

LD50 Oral - Rat >5.0 mg/kg

**Acute inhalation toxicity**

No data available

**Acute dermal toxicity**

No data available

**Skin irritation**

No data available

**Eye irritation**

No data available

**Sensitisation**

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No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Teratogenicity**

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

**11.2 Further Information:**

No data available

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity:**

**Toxicity to fish**

No data available

**Toxicity to daphnia and other aquatic invertebrates**

No data available

**Toxicity to algae**

No data available

**Toxicity to bacteria**

No data available

**12.2 Persistence and degradability:**

No data available

**12.3 Bioaccumulate potential:**

No data available.

**12.4 Mobility in soil:**

No data available

**12.5 Results of PBT and vPvB assessment:**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

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**12.6 Other adverse effects:**

No data available

### **SECTION 13: Disposal considerations**

**13.1 Waste treatment methods:****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

### **SECTION 14: Transport information**

	<b>Land transport (ADR/RID)</b>	<b>Air transport (IATA)</b>	<b>Sea transport (IMDG)</b>
<b>14.1 UN number</b>	--		
<b>14.2 Proper shipping name</b>	Not dangerous goods		
<b>14.3 Class</b>	--		
<b>14.4 Packing group</b>	--		
<b>14.5 Environmentally hazardous</b>	No		
<b>14.6 Special precautions for user</b>	No data available		
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Relevant		

### **SECTION 15: Regulatory information**

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment:**

For this product a chemical safety assessment was not carried out.

### **SECTION 16: Other information**

**References:** Not available



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