

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

MSDS Name: Propylene Glycol Alginate

Use: stabilizer, emulsifier

Company Identification: Xihu Industrial Park, Sandun Town, Hangzhou 310030, China

For information , call: 0086-571-86217390

Emergency Number: 0086-18268058086

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This material is not classified as dangerous according to EU criteria.

2.2 Health hazards:

Not considered harmful

Physio-chemical hazards : None

2.3 Environment hazards:

This product is a powder. Although not considered flammable, it will burn if involved in a fire, releasing typical products of ordinary combustion. Any material that is spilled on a surface that is wet, or becomes wet, will be extremely slippery.

3. MPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms : Propylene Glycol Alginate

Formula : (C₉H₁₄O₇)_n

CAS	Chemical Name	%	EINECS
9005-37-2	Propylene Glycol Alginate	-	None listed

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

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

In case of skin contact

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

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water and /or foam chemical for surrounding fire.

5.2 Special hazards arising from the substance or mixture

Carbon oxides,

5.3 Advice for firefighters

Special measures: Treat as a "Class A" fire. Product will burn when in contact with flame, self-extinguishes when ignition source is removed but tends to smoulder. Auto ignition temperature is above 200Deg.C

Unusual Fire and Explosion Hazards: As with most organic materials, this product should be treated as combustible dust when in the finely divided and air-suspended state. Surfaces that may be covered

with this product will become extremely slippery upon application of water.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal protective equipment as outlined in section 8 must be used when dealing with accidental release of product.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

If dry, shovel, vacuum or sweep up and dispose of in accordance with local authority regulations.

The use of water washdown is not recommended unless the spilled material is already wet. Spills will become extremely slippery if wetted. Wet spills should be thoroughly flushed with water until non- slippery

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end uses

Shelflife 24 months from date of manufacture

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

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).

Skin protection

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

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.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, 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: Respirator approved for solid and liquid particulates including dusts and mists e.g. 3M 8810 mask or respirator with P3 filter or equivalents

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance crystalline powder

Colour White/ pale straw

Odour No data available

PH(2% soln): 3.7-4.4

Melting point/freezing point No data available

Initial boiling point and boiling range No data available

Flash point No data available

Flammability (solid, gas) No data available

Upper/lower flammability or explosive limits No data available

Vapour pressure No data available

Vapour density No data available

Relative density No data available

Water solubility No data available

Partition coefficient: noctanol/water No data available

Autoignition temperature No data available

Decomposition temperature No data available

Bulk Density: 0.74 + 1.5g/cc

Explosive properties No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

This product is stable under normal conditions of use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Avoid contact with strong acids, oxidising agents.

10.6 Hazardous decomposition products

Normal products of combustion of carbohydrates including carbon monoxide, smoke.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD507200mg / kg (rat, oral).

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

This product type is believed not to be dangerous to the environment. As a carbohydrate, this material should be readily biodegradable at low concentrations

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product and contaminated packaging must be disposed of in accordance with local authority regulations.

Liquid products:

Surplus liquid spills may be disposed of to municipal / waste water treatment plants as it is biodegradable, or in accordance with local authority regulations.

Liquid product packaging:

Containers should be drained of excess residue and rinsed with water. The containers may then be recycled / reused or disposed of as in accordance with local authority regulations.

Powder products:

Powder may be disposed of to landfill / incineration as in accordance with local authority regulations.

Powder product packaging:

Care should be taken to ensure that the packaging is free from any residues before it can be sent for recycling/reuse or further disposal in accordance with local authority regulations.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

14.6 Special precautions for user

No data available

15. REGULATORY INFORMATION

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

No data available

15.2 Chemical Safety Assessment

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

16. OTHER INFORMATION

MSDS Creation Date:09/22/2019

Revision #0 Date: Original

Further information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.