

# Safety Data Sheet

## Alsta Hydrogel



### Section 1.

#### Chemical Product and Company Identification

In case of any emergency,  
contact Poison Control Center  
**1800-116-117**

Product Name	Alsta Hydrogel		
Product Description	Potassium based Super Absorbent Polymer for Agriculture		
Manufacturer's Name	Chemtex Speciality Limited	Supplier's Name	Chemtex Speciality Limited
Address	Haute Street Corporate Park 86A Topsia Road (S), Kolkata 700046	Address	Haute Street Corporate Park 86A Topsia Road (S), Kolkata 700046
Contact Information	Ph: +91-33-7111-1111	Contact Information	Ph: +91-33-7111-1111
Email	info@hydrogelagriculture.com	Email	info@hydrogelagriculture.com
SDS Prepared	19-11-2014	SDS Revised	30-05-2022
Emergency Contact	No. +91-33-7111-1111	Mail: info@hydrogelagriculture.com	

### Section 2.

#### Hazard Identification

Route of Entry	Eye Contact, Ingestion				
OSHA Hazard Status	Not Regulated				
Class	Pictogram (if available)	Hazard	Category	Hazard Statement	P codes
N/A	N/A	H320	N/A	Causes eye irritation	

#### P codes

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

### Section 3.

#### Composition/ Information on Ingredients

Ingredients	CAS No.	% by wt.
Potassium Polyacrylate	25608-12-2	90.0 min
Inert Ingredients	N/A	Balance

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### Section 4.

#### First Aid Measures

Eyes	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of cold water. Get medical attention immediately.
Skin	Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash with soap and cover the contaminated skin with an emollient. Wash clothing and shoes before reuse. Seek immediate medical attention.
Ingestion	Do NOT induce vomiting unless directed by any medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. Administer 5% solution of sodium bicarbonate followed with milk.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY. IF EXPOSED, CALL POISON CONTROL CENTER/DOCTOR/PHYSICIAN.**

### Section 5.

#### Fire Fighting Measures

Flammable	<b>No</b>	
Flash Point	N/A	
Flammability Point (% by volume)		
Lower	N/A	Upper
Autoignition Temperature		N/A
Extinguishing Media		Use dry chemical powder in case of small fire. Use water spray, fog, foam for large fire.
Fire Fighting Instructions		For small fires use water spray, dry chemical or CO2.
Fire & Explosion Data		Non flammable. Non explosive.
Special Hazards		Thermal decomposition can lead to release of irritating gases and vapors.

#### NFPA Symbol and Label

Health	1
Flamability	0
Reactivity	1
Special Notice	

Hazard Rating
4. Extreme
3. Serious
2. Moderate
1. Minimal
0. Slight

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### Section 6.

#### Accidental Release Measures

<b>Small Spill</b>	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal containers. Do not let product enter drains and sewers. Wet product can create slippery conditions.
<b>Large Spill</b>	Absorb with dry earth, sand or other non-combustible material. Avoid contact with combustible materials such as wood, paper, oil, clothing. Prevent entry into sewers, basements or confined areas. Call for assistance on disposal. Wet product can create slippery conditions.

### Section 7.

#### Handling Measures & Storage

<b>Handling</b>	Keep container dry and tightly closed in a cool, well ventilated area. Separate from acids, alkalis, reducing agents and combustibles. Keep away from heat and other sources of ignition. Do not ingest. Product is slippery when wet.
<b>Storage</b>	Store in cool location, away from open flames, hot surfaces and sources of ignition. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation. Keep containers tightly sealed. Store away from incompatible materials.

### Section 8.

#### Exposure Controls & Personal Protection

##### Exposure Limits

N/A

##### Specific Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below OEL's.

#### Personal Protective Equipment

HMIS

PPE

D

Safety Glasses  
Gloves  
Dust Respirator

Pictograms



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### Section 9. Physico-Chemical Data

Form	Granular
Appearance	White
Odor	Odorless
pH (In Solution)	8.0 ± 1.0
Specific Gravity (20°C)	N/A
Solubility	Insoluble; Swells up
Additional Physico-chemical Data	
Vapor Pressure	N/A
Volatility	N/A
Boiling Point	N/A
Flammability Point	>200°C

### Section 10. Stability and Reactivity

Chemical Stability	Stable under normal ambient conditions
Hazardous Polymerization	None under normal processing
Conditions to avoid	Moisture sensitive, incompatible materials, excessive heat
Incompatibility	Strong oxidizing agents
Corrosivity	N/A
Hazardous Decomposition	COx, sodium oxides
Special Remarks	Hygroscopic

### Section 11. Toxicological Information

Product	Oral LD50 (Rat) [mg/kg]	Dermal LD50 (Rats) [mg/kg]	Eye Irritation [Rabbit]
Alsta Hydrogel	>4000	>4000	Particle effect - Slight Eye Irritation

Carcinogenicity	Non Carcinogenic
Teratogenicity	Non Teratogenic
Mutagenicity	Non Mutagenic

### Section 12. Ecological Information

BOD/ COD	N/A
Biodegradation	Not rapidly degradable under aerobic conditions.
Fish Toxicity	<i>Leuciscus idus</i> : LC50 > 5500mg/L 96hrs <i>Danio rerio</i> : LC50 > 4000mg/L 96hrs
Marine Pollutant	N/A

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### Section 13. Disposal Considerations

Product is non-hazardous waste material suitable for approved solid waste landfills

### Section 14. Transport Information

DOT Classification      Class

Not Regulated

#### Classification for Air Transport (IATA/ICAO)

Proper Shipping Name      Not Regulated

UN No.      Not Regulated

Packing Group      Not Regulated

#### Classification for Sea Transport (IMO/IMDG)

Proper Shipping Name      Not Regulated

UN No.      Not Regulated

Packing Group      Not Regulated

#### Classification for Road Transport (ADR/RID)

Proper Shipping Name      Not Regulated

UN No.      Not Regulated

Packing Group      Not Regulated

### Section 15. Regulatory Information

OSHA Hazard Status      Not Regulated

HSN      39069090

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**Alsta Hydrogel**

chemtex

Section 16.  
Other Information

SDS Creation

19-11-2014

SDS Revision

30-05-2022

Abbreviations

N/A	Not Applicable
LEL	Lower Explosion Limit
UEL	Upper Explosion Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
LD50	Lethal Dose Concentration that kills 50% dosed group
LC50	Lethal Concentration that kills 50% of dosed group
PPM	Parts Per Million
LSL	Lower Specification Limit
USL	Upper Specification Limit

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