

Material Safety Data Sheet

Astroplast Ultra Saline Eye Wash Pods

MSDS No. AHL/MSDS/18/006

Section 1: Chemical Product and Company Identification

Brand Name : Astroplast Ultra Saline Eye Wash Pods
Generic Name : Sodium Chloride Ph. Eur. 0.9% w/v
Synonym : None
Chemical Name : None
Chemical Formula : None
Contact Information : Amanta Healthcare Limited
 Add. Plot No. 876, N.H. No. 8,
 Dist. - Kheda 387 411, Gujarat, India.
 Contact No. - 02694 304050

Section 2: Composition and Information on Ingredients

Brand Name : Astroplast Ultra Saline Eye Wash Pods
Generic Name : Sodium Chloride Ph. Eur. 0.9% w/v
Category : Pharmaceutical Product (Mixture product)

Composition

Name	CAS #	% by W / V
Sodium Chloride	7647-14-5	0.490% w/v
Water For Injections	7732-18-5	Q.S.

Packing materials : Primary – Bottle formed from plastic granules (LDPE/Polypropylene)
Pack Size : 5 ml

Section 3: Hazards Identification

Potential Acute Health Effects : Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-corrosive to the eyes. Non-corrosive for lungs

Potential Chronic Health Effects : *Carcinogenic Effects*: Not available.
Mutagenic Effects: Mutagenic for mammalian somatic cells. [Sodium chloride]. Mutagenic for bacteria and/or yeast.
Teratogenic Effects: Not available.
Developmental Toxicity: Classified Reproductive system/toxin/female [POSSIBLE] [Sodium chloride].

Label : This product does not have a classification according EC regulation.

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The product is not classified as hazardous according to OSHA GHS regulations within the United States.

Hazard pictograms Not Regulated

Signal word: Not Regulated

NFPA ratings (scale 0 - 4): Health = 0, Fire = 0, Reactivity = 0

HMIS-ratings (scale 0 - 4): Health = 0, Fire = 0, Reactivity = 0

Section 4: First Aid Measures

- | | | |
|-----------------------------|---|--|
| Eye Contact | : | Product is eye wash solution, slightly irritant. Wash with plenty water for 15 minutes. |
| Skin Contact | : | Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used. |
| Serious Skin Contact | : | None |
| Inhalation | : | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Serious Inhalation | : | Not Available |
| Ingestion | : | Do NOT induce vomiting unless directed to do so by 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. |
| Serious Ingestion | : | Not available. |

Section 5: Fire and Explosion Data

- | | | |
|--|---|---|
| Flammability of the Product | : | Non-flammable. |
| Auto-Ignition Temperature | : | Not applicable |
| Flash Points | : | Not applicable. |
| Flammable Limits | : | Not applicable. |
| Products of Combustion | : | Not available. |
| Fire Hazards in Presence of Various Substances | : | Not applicable. |
| Explosion Hazards in Presence of Various Substances | : | Non-explosive in presence of open flames and sparks, of shocks. |
| Fire Fighting Media and | : | Not applicable. |



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Instructions

Special Remarks on Fire : Not applicable.

Hazards

Special Remarks on Explosion Hazards : Electrolysis of sodium chloride in presence of nitrogenous compounds to produce chlorine may lead to formation of explosive nitrogen trichloride. Potentially explosive reaction with dichloromaleic anhydride + urea. (Sodium chloride)

Section 6: Accidental Release Measures

Small Spill : Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions : Keep locked up. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.

Storage : Store at a temperature not exceeding 30°C

Section 8: Exposure Controls/Personal Protection

Engineering Controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection : Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

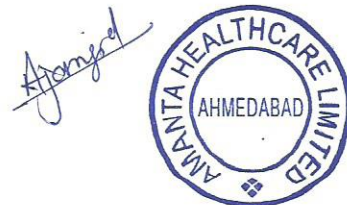
Exposure Limits : Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance : A clear, colourless solution

Odor : Not applicable.

Taste : Not applicable.



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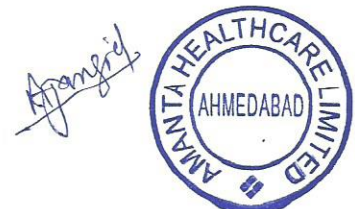
Molecular Weight	:	Mixture
Color	:	Clear Colorless.
pH	:	Between 4.5 to 7.0
Melting Point	:	Not applicable.
Boiling point	:	The lowest known value is 100°C (212°F) (Water).
Volatility	:	Not available.

Section 10: Stability and Reactivity Data

Stability	:	The product is stable.
Instability Temperature	:	Not available.
Conditions of Instability	:	Incompatible materials
Incompatibility with various substances	:	Not available.
Corrosivity	:	Not considered to be corrosive for metals and glass.
Special Remarks on Reactivity	:	Hygroscopic. Reacts with most nonnoble metals such as iron or steel, building materials (such as cement) Sodium chloride is rapidly attacked by bromine trifluoride. Violent reaction with lithium. (Sodium chloride)
Special Remarks on Corrosivity	:	Not available.
Polymerization	:	Not available.

Section 11: Toxicological Information

Routes of Entry	:	Absorbed through skin. Eye contact
Toxicity to Animals	:	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	:	<u>Mutagenic Effects</u> : Mutagenic for mammalian somatic cells. [Sodium chloride]. Mutagenic for bacteria and/or yeast. [Sodium chloride]. <u>Developmental Toxicity</u> : Classified Reproductive system/toxin/female [Possible] [Sodium chloride].
Other Toxic Effects on Humans	:	Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	:	Lowest Published Lethal Dose (LDL) [Man] - Route: Oral; Dose: 1000 mg/kg (Sodium chloride)
Special Remarks on Chronic Effects	:	May cause adverse reproductive effects (fetotoxicity, abortion, maternal effects) by intraplacental route. May affect genetic material (mutagenic)



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Humans (Sodium chloride)

Special Remarks on other Toxic Effects on Humans : Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Causes eye irritation. Ingestion: Ingestion of large quantities can irritate the stomach (as in overuse of salt tablets) with nausea and vomiting. May affect behavior (muscle spasticity/contraction, somnolence), sense organs, metabolism, and cardiovascular system. Continued exposure may produce dehydration, internal organ congestion, and coma. Inhalation: Material is irritating to mucous membranes and upper respiratory tract. (Sodium chloride)

Section 12: Ecological Information

Ecotoxicity : Not available

BOD5 and COD : Not available.

Products of Biodegradation: of : Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation : The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation : Not available.

Section 13: Disposal Considerations

Waste Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification Not a DOT controlled material (United States).

Identification Not applicable.

Special Provisions for Transport Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Sodium chloride; Water

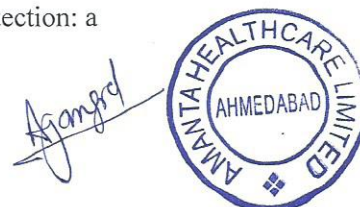
Other Regulations: Not available. or of its ingredients

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.

HMIS (U.S.A.): Health Hazard: 1 Fire Hazard: 0 Reactivity: 0 Personal Protection: a



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National Fire Protection Association (U.S.A.): Health: 1 Flammability: 0 Reactivity: 0 Specific hazard: NA

Protective Equipment: Not applicable. Lab coat. Not applicable. Safety glasses.

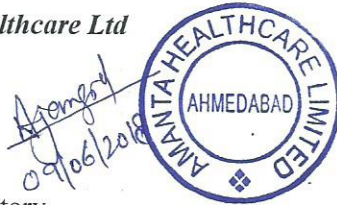
Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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