



MSDS: Sodium Chloride Ophthalmic Ointment, USP

Material Safety Data Sheet

Manufacturer: Akorn
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Section 1 - IDENTIFICATION

TRADE NAME: Sodium Chloride Ophthalmic Ointment, 5%
NDC # 17478-622-35
Description: Colorless to light yellowish translucent ointment

Composition	CAS#	TLV (mg/m ³)	PEL (mg/m ³)	%Content
Sodium Chloride, USP	7647-14-5	NE	NE	5
Modified Lanolin	8006-54-0	NE	NE	< 10
Mineral Oil	8042-47-5	5 (mist)	5	< 10
White Petrolatum	8009-03-8	NE	NE	< 70
Purified Water, USP	7732-18-5	NE	NE	< 20

Common name of active ingredients: Sodium Chloride
Chemical Formula: NaCl

Section 2 – HAZARDOUS INGREDIENTS

Principal Hazardous Ingredients: Sodium Chloride
% Threshold Limit Value: NE
Carcinogenicity: NE
NTP- No
IARC- No
OSHA- No
NE= Not established
< = Greater Than
> = Less Than

Section 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Semi Solid
Appearance: Colorless to light yellowish translucent ointment
Odor: Characteristic odor
Boiling Point: NE
Vapor Density (air = 1): NE
Vapor Pressure (mm Hg): NE



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Viscosity:	NE
Solubility in Water:	Immiscible
Specific Gravity:	NE
Volatile:	NE
Evaporation Rate:	NE
Reactivity in Water:	NE
Melting Point:	NE
Latex Free:	Yes

NE=Not established

Section 4 – FIRE AND EXPLOSION HAZARD DATA

Flammable Properties:	Flash Point: NE	Method: NE
Extinguisher Media:	Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.	
Hazardous Products:	Toxic Fumes	
Fire Fighting Instructions:	As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use water spray to keep fire-exposed containers cool. Do not spray water into burning material.	

Section 5 – REACTIVITY DATA

Stability:	Stable
Incompatibility:	The product is incompatible with water, strong acids, bases, alkali metals, alkali hydrides and silver preparations.
Hazardous Decomposition Products:	When heated to decomposition, material emits toxic fumes.
Hazardous Polymerization:	No
Conditions to Avoid:	Avoid exposure to extreme heat and cold.

Section 6 – HEALTH HAZARDS

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program:	No
I.A.R.C Monographs:	No
OSHA:	No
OSHA Permissible Exposure Limit:	NE
ACGIH Threshold Limit Value:	NE

NE= Not established



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1. **Inhalation:** May cause irritation and hyper-sensitivity in some individual.
2. **Eyes:** May cause irritation, burning sensation and hyper-sensitivity in some individual.
3. **Skin:** Causes irritation, and hyper-sensitivity in some individual.
4. **Ingestion:** May cause irritation and hyper-sensitivity in some individual. Ingestion of large quantities can induce gastric imbalance.

Medical Conditions Aggravated by Exposure: Hypersensitivity to any of material in the product

Section 7 – SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Emergency and First Aid Procedures:

In case of accidental overexposure, ascertain airway and breathing are sufficient to ensure oxygenation and ventilation. Equipment for emergency resuscitation and oxygen administration should be readily available. Be prepared to transfer victim to hospital. Treat symptomatically.

Eyes: Remove contact lenses if present. Flush eyes with large quantities of water for at least 15 minutes and contact a physician. Cover eyes until normal sensation returns.

Skin: Wash affected areas thoroughly with large quantities of water, while removing all contaminated clothing. Contact physician if skin become irritated.

Ingestion: If the victim is conscious and not convulsing, treatment should be initiated with activated charcoal and cathartics within first several hours post-ingestion. Immediately contact physician and transport victim to the hospital.

Inhalation: Immediately leave the contaminated area and take deep breaths of fresh air. Contact a physician.

Storage: Store at controlled room temperature, 20° to 25° C (68° to 77° C)

Handling: Avoid contact with the product. Wash thoroughly after handling. Contaminated clothing should be laundered before reuse.

Neutralizing Chemical Agent: Not relevant

Steps to be taken in case material is released or spilled: Use appropriate protective equipment. Carefully collect waste and place in a suitable, properly labeled container for disposal. Clean the area with a suitable detergent and water.

Waste Disposal Methods: Dispose of waste in accordance with all applicable Federal, State and local laws.

Section 8 – PROTECTION INFORMATION

Engineering Controls: Provide good general ventilation.



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Airborne Exposure Limits:	Not established.
Ventilation:	No special ventilation requirements
Skin Protection:	Protect exposed skin and wear rubber gloves.
Eye Protection:	Safety glasses
Respiratory Protection:	When working with small quantities in a well-ventilated area, respiratory protection may not be required. The use of an approved dust mask is recommended.

Section 9 – TOXICOLOGY INFORMATION

Acute toxicity (Refers to active ingredient only):

LDLo, Man, oral:	1000 mg/kg
LD 50 rat, oral:	3000 mg/kg
LD50 Mouse oral:	4000 mg/kg
Dermal (LD50):	>10000 mg/kg [Rabbit]
Dust (LC50):	>42000 mg/m ³ 1 hour [Rat].

Section 10 – ECOLOGICAL INFORMATION

Ecotoxicity:	Not established
BOD₅ and COD:	Not available
Environmental fate information:	Not established
Other Precautions:	None

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