

pHisoHex®

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: pHisoHex®

SYNONYMS: Hexachlorophene detergent cleanser

CHEMICAL FAMILY: Antibacterial Skin Cleanser

2. COMPOSITION/INFORMATION ON INGREDIENTS

ACTIVE INGREDIENTS:

Sodium Octoxynol-2 Ethane Sulfonate Solution (Entsufon Sodium), 50% by weight
CAS NUMBER: 2917-94-4

Hexachlorophene, 3% by weight
CAS NUMBER: 70-30-4

INACTIVE INGREDIENTS:

<u>INGREDIENT</u>	<u>CAS NUMBER</u>
White Petrolatum	8027-32-5
Purified Water	7732-18-5

3. HAZARDS IDENTIFICATION

WARNING: This is a pharmaceutical product available only with a prescription - use only as directed. For use as a skin cleanser. Do not take internally.

pHisoHex® is supplied as a cleanser in plastic squeeze bottles and wall dispensers.

POTENTIAL HEALTH EFFECTS:**INGESTION**

Not intended for internal use. Accidental ingestion of pHisoHex in amounts from 1 oz to 4 oz has caused loss of appetite, vomiting, abdominal cramps, diarrhea, dehydration, convulsions, low blood pressure, and shock. Several instances of fatalities have been reported.

pHisoHex®

INHALATION

The effects of inhaling airborne solution (aerosol, mists or spray) have not been determined. Effects may be presumed to be similar to those that may occur following ingestion.

SKIN AND EYE EFFECTS

Eye irritant

4. FIRST AID MEASURES

EYES

In case of contact with liquid, flush eyes with water for at least 15 minutes. Seek medical attention if irritation develops.

SKIN

If liquid comes in contact with skin and clothing, remove contaminated clothing and wash skin thoroughly with running water for at least 15 minutes. Use soap if available. Seek medical attention if irritation develops.

INGESTION

In case of acute overdose by ingestion, seek immediate medical attention.

NOTE TO PHYSICIAN

In case of accidental ingestion, the stomach should be evacuated by emesis or gastric lavage. Olive oil or vegetable oil (60 mL or 2 fl oz) may be given to delay absorption of hexachlorophene, followed by a saline cathartic to hasten removal. Treatment is symptomatic and supportive.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS

Emits toxic fumes under fire conditions.

EXTINGUISHING MEDIA

Carbon dioxide, dry chemical powder, water spray or foam.

FIRE FIGHTING INSTRUCTIONS

As in any fire, wear pressure demand self-contained breathing apparatus (SCBA), NIOSH approved or equivalent, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal protective equipment should be worn when cleaning up a spill [See Section 8].

Soak up contents of spilled liquid with an absorbent material. Carefully collect materials and place in a properly labeled waste container for disposal. Wash area of spill to remove from surfaces. Wash thoroughly after handling.

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7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS

Store at controlled room temperature 15 - 30°C (59 - 86°F), protected from light. Keep this and all drugs out of the reach of children.

WORK/HYGIENE PRACTICES

Avoid contact with eyes, skin, and clothing. Use local exhaust ventilation, supplementary ventilation or respiratory protection for operations that generate aerosols. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A risk assessment should be performed on operations that generate aerosols.

ENGINEERING CONTROLS

Normal ventilation. However, if aerosols are generated, local exhaust ventilation may be required.

EYE/FACE PROTECTION

Avoid eye contact with liquid and aerosol. Wear safety glasses with side shields or goggles where risk of eye exposure exists.

SKIN PROTECTION

Avoid skin contact with liquid and aerosol. Impervious gloves should be worn.

RESPIRATORY PROTECTION

None normally required. However, a respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator usage, such as operations that generate aerosols.

9. PHYSICAL AND CHEMICAL PROPERTIES

BASIC PHYSICAL PROPERTIES

pH: 5.0-6.0

SOLUBILITY: Soluble in water

MELTING POINT (°C): 163-165 for hexachlorophene

10. STABILITY AND REACTIVITY

STABILITY

Stable

INCOMPATIBLE MATERIALS

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Toxic fumes of carbon monoxide, carbon dioxide and hydrogen chloride gas.

pHisoHex®

HAZARDOUS POLYMERIZATION

Will not occur.

11. TOXICOLOGICAL INFORMATION**HUMAN CLINICAL DATA****POTENTIAL HEALTH EFFECTS:****INGESTION**

Not intended for internal use. Accidental ingestion of pHisoHex in amounts from 1 oz to 4 oz has caused loss of appetite, vomiting, abdominal cramps, diarrhea, dehydration, convulsions, low blood pressure, and shock. Several instances of fatalities have been reported.

Possible reproductive and developmental hazard: Produced embryotoxic and teratogenic effects in animal studies.

INHALATION

The effects of inhaling airborne solution (aerosol, mists or spray) have not been determined. Effects may be presumed to be similar to those that may occur following ingestion.

SKIN AND EYE EFFECTS

Eye irritant. Following contact with skin adverse reactions may include dermatitis and photosensitivity. Those with sensitive skin may experience a reaction characterized by redness and mild scaling or dryness. May be absorbed through the skin particularly if a skin condition such as dermatitis or burns exist, and toxic blood levels may result. Application to burns has produced toxic effects on the nervous system and death. Infants are particularly susceptible to pHisoHex absorption through the skin.

ANIMAL STUDIES:

The following data is on one of the active ingredients: **Hexachlorophene**

ACUTE EFFECTS (SINGLE DOSES)

The oral LD₅₀: Male rats - 66 mg/kg.
Female rats - 56 mg/kg
Weanling rats - 120 mg/kg
Suckling rats (9 days old) - 9 mg/kg

EFFECTS OF REPEATED DOSES: Not available.

EYE AND SKIN IRRITATION: Not determined.

CARCINOGENIC EFFECTS: In an oral administration study with rats, hexachlorophene had no carcinogenic effect. Not classified as a carcinogen by IARC, NTP or OSHA.

GENOTOXIC EFFECTS

Negative in the Ames bacterial mutagenicity assay, a dominant lethal study in male mice, and a clastogenicity study in cultured human lymphocytes.

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REPRODUCTIVE TOXICITY

Topical exposure of neonatal rats to 3% hexachlorophene solution caused reduced fertility in 7-month-old males, due to inability to ejaculate.

Can cross the placenta in rats. Produces embryotoxic and teratogenic effects in rats following oral administration or vaginal instillation in large doses.

SENSITIZATION POTENTIAL

May produce photosensitivity and photoallergy following skin contact.

12. ECOLOGICAL INFORMATION

None available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations. Please note that upon disposal, this product would be considered a hazardous waste due to the presence of the active ingredient hexachlorophene (U132), unless it is disposed of as a household waste (40CFR 260-268).

14. TRANSPORT INFORMATION

Not regulated by USDOT as a hazardous material.

Not regulated by IATA as a dangerous good.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION

This product does not contain any ingredients that are regulated on the U.S. EPA List of Toxic Chemicals (40 CFR 372), and is therefore not subject to release reporting under section 313 of EPCRA, (SARA Title III).

REGULATED INGREDIENTS

INGREDIENT: HEXACHLOROPHENE

CAS NUMBER: 70-30-4 PERCENT BY WEIGHT: 3.0%

Regulations: New Jersey Workplace Hazardous Substance

16. OTHER INFORMATION

N/A = Not Applicable N/D = Not Determined ~ = Approximately Equal To

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