



■ High Technology Disinfectants ■

Material safety data sheet

Product : SURFAX

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING.

Supplier :

BioShields, A Division of Coral Clinical System
Plot no. M 46, phase III B, Verna Industrial Estate,
Verna – Goa 403722

Product name: Surfax

Product code: SFX 0500/5000

Synonyms: Disinfectant cleaner for floor and hard surface.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Components	CAS number	Weight %	OEL data (TWA-8 HR)	OEL data (STEL)	OEL data (ceiling limit value)	PBOEL
Sodium hypochloride	7681-52-9	0.06	Not determined	Not determined	Not determined	Not determined

3. HAZARD IDENTIFICATION.

Principle route of exposure :

Oral: Harmful if swallowed.

Eye contact: Severe irritant and corrosive to the eyes.

Skin contact: Irritant and corrosive to skin.

Ingestion: Harmful if swallowed, severely irritating / corrosive to the gastrointestinal tract.

Inhalation: Inhalation of mist or vapors may cause severe irritating to the nose

and throat.

Physico-chemical properties : Oxidiser

Hazard information

Target organ effects: Eye, skin, lung and respiratory system.

Reproductive effect: This product is not known to produce any respiratory effect in humans.

Mutagenic effect: This product is not known to produce any mutagenic effect in humans.

Sensitization

Signs and Symptoms: Irritating to eye, nose, skin, throat and lungs.

Medical conditions

aggravated by exposure: Dermatitis, respiratory irritation, eye and skin irritation.

4. FIRST AID MEASURES.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

Ingestion: Do not induce vomiting. Call a physician or Poison control Center immediately.

Inhalation: Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

Skin contact: After contact with skin, wash immediately with plenty of Water and soap. Immediately remove contaminated clothing and shoes. If skin irritation persist contact a physician.

Protection to first aiders: Wear chemical resistant gloves and eye protection.

Notes to physicians: Treat symptoms and eliminate over exposure.

5. FIRE-FIGHTING MEASURES.

Autoignition temperature: Not available

Flammable limits in air-lower(%): Not available

Fire-fighting information :

Suitable extinguishing media: Use water, dry chemical, carbon dioxide or Chemical foam.

Extinguishing media which

must not be used for safety reasons: None

Specific methods: None

Special protective equipment: Wear self-contained breathing apparatus for fire fighting

Hazardous combustion products: Carbon dioxide and carbon monoxide
Explosivity
Explosion limit: None
Lower: None
Upper: None

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions: Responder should wear gloves, goggles, suitable body protection. Where there is a risk of product contact with shoes chemical resistance shoe coverings are recommended..

Environmental precautions: Do not wash down sewers or waterways. Do not allow the material to contaminate ground water system.

Methods for cleaning up: Small spills can be cleaned up using a damp sponge or a inert absorbent. For large spills, clear the affected area. Place all spill residue and disposable clean-up material in an appropriate container and seal for disposal. Keep away from combustible material.

7. HANDLING AND STORAGE.

Handling :

Technical measures / precautions: Ensure adequate ventilation. If existing ventilation is not adequate, products should be used with a local exhaust hood, or in a ductless fume hood / portable ventilation system. Provide eye baths, washing facilities and safety shower.

Safe handling device: Wear appropriate personal protection, including chemical resistant gloves and clothing and eye protection. Keep away from combustible material.

Storage :

Technical measures: Store away from incompatible materials.

/ storage conditions Store container in cool, dry place away from sunlight, heat, spark, flame or other source of intense level..

Incompatible product: Avoid strong acid, amines, ammonia salts, reducing agents, metal, formic acid, methanol.

8. EXPOSURE CONTROL / PERSONAL PROTECTION.

Engineering control: Ensure adequate ventilation..

Eye protection: For routine use, wear approved chemical splash goggles. Where there is risk of product splashing into eyes an independent face shield must be worn.

Hand protection: Wear chemical resistant gloves.

Skin and body protection: Wear chemical resistant lab coat.

Respiratory precaution: Not required unless spray or mists are generated during use.

Other general protection: Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical state: Liquid

Color: Colorless or pale yellow

PH: 12 - 13

Odor: Pleasant

Miscibility: Soluble

10. STABILITY AND REACTIVITY.

Chemical stability: Stable under recommended storage conditions.

Hazard polymerization: Hazardous polymerization does not occur.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Material to avoid: Strong acids, reducing agents, ammonia.

Conditions to avoid: Direct exposure to heat and sunlight.

11. TOXICOLOGICAL INFORMATION.

Acute toxicity

LD50 Dermal Rabbit (mg/kg): Not determined.

LD50 Oral Rat (f) (mg/kg): Not determined.

Local effects

Oral: Irritant

Eye irritation: Severe irritant to eye.

Skin irritation: May cause skin irritation.

Inhalation: Inhalation of mist or vapors may cause irritation to the nose and throat.

Chronic toxicity

Oral: Not determined

Inhalation: Not determined.

Dermal: Not determined

Subchronic toxicity

Oral: Not determined

Dermal: Not determined

Specific effects

Corrosive effects: Not determined.

Sensitizations: Not determined

Target organ effects: Not determined

Mutagenic effects: Not determined

Reproductive effects: Not determined

Developmental effects: Not determined

Carcinogenic effects: Not determined

Ecotoxicity: This product has no known eco-toxicological effects.

12. DISPOSAL CONSIDERATIONS.

Waste from residues / unused products : This product may be disposed off in accordance with the regulation laid down by the local regulatory authority.

13. TRANSPORT INFORMATION.

DOT : Hazard class 8, packaging group III

IMO/IMDG: Hazard class 8, packaging group III

ADR/RID: Hazard class 8, packaging group III

IATA/ICAO: Hazard class 8, packaging group III

14. OTHER INFORMATION.

Additional advice : None

Literary reference : None

DISCLAIMER :

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