

SAFETY DATA SHEET

Date issued : 11/14/2014

SDS number : FRB

Date revised : 01/30/2024

Revision number : 3

Fresh Breeze

1. Identification

Product code: FRB

Product identifier: Fresh Breeze

Product description: Disinfectant & Cleaner

Chemical family: Quaternary Ammonium Chloride

Relevant identified uses: Ready to Use Disinfectant Cleaner

Manufacturer / Supplier

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

Emergency Phone: 610-926-4106

Customer Service: 800-548-4568

Transportation: 800-548-4568

EPA reg. No.: 47371-97-8325

Emergency telephone number (24 hour)

CHEM-TEL (Medical and Transportation): 800-255-3924

POISON CONTROL CENTER (Medical): 800-222-1222

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Eye Irritation, Category 2B

Label elements

Signal word: WARNING

Hazard statement(s)

H320: Causes eye irritation.

Precautionary statement(s)

Prevention:

P264: Wash hands thoroughly after handling.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Emergency overview

Physical appearance: Blue liquid

Immediate concerns: Eye irritant

Potential health effects

Eye: Contact causes eye irritation.

Skin: No known significant effects or critical hazards.

Skin absorption: No known significant effects or critical hazards.

Ingestion: Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Inhalation: No known significant effects or critical hazards.

Reproductive toxicity

Reproductive toxicity: No known significant effects or critical hazards.

Teratogenic effects: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Routes of entry: Eye, skin, ingestion.

Warning caution labels: Irritant

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
n-Alkyl (C14 60%, C16 30%, C12 5%, C18 5%) dimethyl benzyl ammonium chloride	0.09	53516-76-0

n-Alkyl (C12 50%, C14 30%, C16 17%, C18 3%) dimethyl ethylbenzyl ammonium chloride	0.09	68956-79-6
Fragrance	< 1	TS
Dye	< 0.1	TS
Water	95 - 98	7732-18-5

Comments: If CAS number is "TS", the specific chemical identity has been withheld as a trade secret.

4. First-aid measures

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

Inhalation: Remove victim to fresh air and monitor. Seek medical advice if irritation develops or persists.

Most important symptoms and effects, both acute and delayed

Eye: May cause temporary eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin: None Expected.

Skin absorption: None Expected.

Ingestion: May cause temporary stomach distress, nausea or vomiting.

Inhalation: None Expected.

Acute effects: Eye Irritant

5. Fire-fighting measures

Flammable class: None

Suitable extinguishing media: Not required. Water based material.

Explosion hazards: None

6. Accidental release measures

Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Large spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

Environmental precautions

Water spill: Avoid discharges into open waterways and notify your local emergency services if this occurs.

Land spill: Avoid discharge to soil.

Air spill: NA = Not Applicable

General procedures: Keep area clear of personnel until area has been properly cleaned.

Release notes: Product is harmful to aquatic life.

Special protective equipment: Eye protection, rubber gloves.

7. Handling and storage

General procedures: Do not contaminate water, food, or feed by storage or disposal.

Precautions for safe handling: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Conditions for safe storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Storage temperature: Store at ambient temperatures.

Storage pressure: Store at ambient atmospheric pressure.

8. Exposure controls/personal protection

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses with side shields.

Skin protection - hand protection: Rubber or other chemical resistant gloves.

Respiratory protection: No special requirements.

Occupational hygiene practices: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

Other use precautions: Handle according to established industrial hygiene and safety practices.

9. Physical and chemical properties

Physical state: Liquid

Color: Blue

Odor: Fresh

Odor threshold: Not Established

pH: 10.8 to 11.8
Melting point: No data available
Freezing point: 32° F; 0° C
Initial boiling point and boiling range: 212° F; 100° C
Flash point: None
Evaporation rate (n-butyl acetate = 1): No data available
Lower explosion limit / flammability limit: N/A
Vapor pressure: No data available
Relative vapor density: No data available
Density: 8.365 at 20°C (68°F)
Relative density: 1.003 grams/ml. at 20°C (68°F)
Solubility: Complete
Auto-ignition temperature: NA = Not Applicable
Decomposition temperature: No data available
Viscosity: Water thin.
Percent volatiles: >90
VOC content: < .25 % by weight

10. Stability and reactivity

Reactivity: Stable
Dangerous polymerization: Will not occur.
Conditions to avoid: Not Established
Hazardous decomposition products: None Expected.
Incompatible materials: Strong oxidizers

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
n-Alkyl (C14 60%, C16 30%, C12 5%, C18 5%) dimethyl benzyl ammonium chloride	344 mg/kg (rat)	3412 mg/kg (rabbit)	95 mg/l
n-Alkyl (C12 50%, C14 30%, C16 17%, C18 3%) dimethyl ethylbenzyl ammonium chloride	620 mg/kg (rat)	2800 mg/kg (rabbit)	95 mg/l

Acute dermal toxicity LD₅₀: No known significant effects or critical hazards.

Acute oral toxicity LD₅₀: No known significant effects or critical hazards.

Acute inhalation toxicity LC₅₀: No known significant effects or critical hazards.

Skin corrosion / irritation: No known significant effects or critical hazards.

Serious eye damage / irritation: Irritant

Respiratory or skin sensitization: No known significant effects or critical hazards.

Germ cell mutagenicity: No known significant effects or critical hazards.

Carcinogenicity

IARC: No listed substance

Reproductive toxicity: No known significant effects or critical hazards.

Specific Target Organ Toxicity - single exposure: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicological information: This material is harmful to aquatic life.

Aquatic toxicity, both acute and chronic: Not Established

Environmental data: Not Established

13. Disposal considerations

Disposal methods: Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous.

Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

For large spills: Consult with local and state authorities for large volume disposal.

Empty container: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated.

Placards: None

Hazard label: None

U.S. Customs harmonization number: 3808.94.5000

ICAO - air

UN proper shipping name: Contact manufacturer for more information.

IMDG - sea

UN proper shipping name: Contact manufacturer for more information.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Health - Acute

313 reportable ingredients: No listed substance

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: No listed substance

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: No listed substance

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All ingredients are listed on the TSCA Chemical Inventory.

California Proposition 65: No listed substance

Carcinogen: No listed substance

FIFRA (federal insecticide, fungicide, and rodenticide act): Regulated as a pesticide. Refer to Section 1 for EPA registration numbers.

16. Other information

Reason for issue: Formulation Change

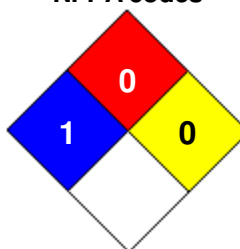
Prepared by: Regulatory Affairs Department **Date revised:** 01/30/2024

Revision summary: This SDS replaces the 01/30/2024 SDS. Revised: **Section 1:** EPA reg. No., Reason for issue. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s). **Section 4:** Acute toxicity, Eye, Ingestion, Most important symptoms and effects, both acute and delayed (Ingestion, Inhalation, Skin protection - hand protection, Skin absorption), Skin protection - hand protection. **Section 5:** Suitable extinguishing media, Hazardous decomposition products. **Section 6:** Release notes. **Section 7:** Conditions for safe storage. **Section 8:** Other use precautions, Individual protection measures, such as personal protective equipment - Respiratory protection Occupational hygiene practices. **Section 9:** Density, Melting point, pH, Relative density, VOC content, Decomposition temperature. **Section 12:** Persistence and degradability, Ecotoxicological information, Environmental data. **Section 13:** Empty container. **Section 15:** FIFRA (federal insecticide, fungicide, and rodenticide act). **Section 16:** HMIS rating - Personal protection.

HMIS rating

Health		1
Flammability		0
Physical hazard		0
Personal protection		A

NFPA codes



Manufacturer disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.