

MATERIAL SAFETY DATA SHEET

Version Number: 2

Preparation date: 2009-02-19

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Frequency 256 (1:256 use dilution)
MSDS #: MS0300129D
Product Code: MS0300129D
Recommended use: Disinfectant.

Manufacturer, importer, supplier:

US Headquarters
JohnsonDiversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Ramsey Information Phone: 1-800-421-2768
MSDS Internet Address:
www.ramseycompany.com

Emergency telephone number: 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l);

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

- CAUTION
- MAY BE MILDLY IRRITATING TO EYES
- MAY BE MILDLY IRRITATING TO SKIN

Principle routes of exposure: Eye contact. Skin contact. Inhalation.
Eye contact: May be mildly irritating to eyes.
Skin contact: May be mildly irritating to skin.
Inhalation: None
Ingestion: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components None

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water. If irritation develops, get medical attention.
Skin contact: Flush immediately with plenty of water. If irritation develops, get medical attention.
Inhalation: No specific first aid measures are required.
Ingestion: No specific first aid measures are required.
Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media:**

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons:

No information available

Special protective equipment for firefighters:

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

Specific hazards: Not applicable

Unusual hazards: None known

Specific methods: No special methods required

NFPA

Health: 1

Flammability: 0

Instability: 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment

Environmental precautions and clean-up methods: Use appropriate containment to avoid environmental contamination. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage: Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering measures to reduce exposure:**

No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eye protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions
Skin and body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

HMIS

Health 1

Fire Hazard 0

Reactivity 0

Personal protective equipment

None / Aucune / Ninguno

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Purple

pH: 10.2

Specific gravity: 1.0

Bulk density: No information available

Evaporation Rate: No information available

Solubility: Completely Soluble

Solubility in other solvents: No information available

Partition coefficient (n-octanol/water): No information available

Appearance: Aqueous solution

Odor: Characteristic

Dilution pH: No information available.

Density: 8.32 lbs/gal

Vapor density: No information available

Viscosity: No information available

VOC: 0.02% *

Boiling point/range:	Not determined
Melting point/range:	Not determined
Flash point:	>200°F >93.3°C
Decomposition temperature:	Not determined
Autoignition temperature:	No information available
Elemental Phosphorus:	0 %P

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability: The product is stable

Polymerization: Hazardous polymerization does not occur

Hazardous decomposition products: None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50 estimated to be greater than 5000 mg/kg Dermal LD50 estimated to be > 2000 mg/kg

Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known

Mutagenic effects: None known

Reproductive toxicity: None known

Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:
Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-

CERCLA/ SARA

None

SARA 311/312 Hazard Categories

Immediate: -

Delayed: -

Fire: -

Reactivity: -

Sudden Release of Pressure: -

Canada

WHMIS hazard class: Not for sale in Canada.

16. OTHER INFORMATION

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

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