



# SAFETY DATA SHEET

Issued Date: 3/26/2015

Revised Date: 3/26/2015

Revision: A

## Section 1 : Chemical Product and Company Identification.

### 1.1 Product Identifier:

Product Name: RFS 10

Product Code: 640706

Synonyms: Quaternary Ammonium Compound

### 1.2 Relevant Identified Uses:

Usage(s): Disinfectant, Sanitizer

### 1.3 Supplier Info:

Stellar Cleaning Supplies 8100 Hwy 64 E., Avon Park, FL 33825

### 1.4 Emergency Phone Info:

(813) 890-6594 (Customer service). For emergency and medical help line, call INFOTRAC at (800) 535-5053, 24 hours a day, 7 days a week for information on all our products and/or SDS. To obtain an SDS call customer service at (813) 890-6594.

## Section 2 : Hazards Identification.

### 2.1 Classification of substance or mixture

- ➔ Serious Eye Damage/Eye Irritation - Category 1
- ➔ Acute Toxicity Inhalation - Category 4
- ➔ Acute Toxicity Oral - Category 4
- ➔ Skin Corrosion/Irritation - Category 1C

### 2.2 Labeling Elements



GHS05



GHS07

**Physical Description:** Clear liquid with mild odor.**Signal Word:** **Danger**

### Hazard Statements

#### Hazard

- ➔ H302 | Harmful if swallowed
- ➔ H314 | Causes severe skin burns and eye damage
- ➔ H318 | Causes serious eye damage
- ➔ H332 | Harmful if inhaled

#### Prevention

- ➔ P260 | Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.
- ➔ P261 | Avoid breathing dust/fumes/gas/mist/vapours/spray Manufacturer/supplier or the competent authority to specify applicable conditions. - may be omitted if P260 is given on the label.
- ➔ P264 | Wash...thoroughly after handling ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.
- ➔ P270 | Do not eat, drink or smoke when using this product
- ➔ P271 | Use only outdoors or in a well-ventilated area
- ➔ P280 | Wear protective gloves/ protective clothing/eye protection/face protection - Specify face protection. Manufacturer/supplier or the competent authority to specify type of equipment.

#### Response

- ➔ P301 + P312 | IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell. ... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
- ➔ P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- ➔ P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- ➔ P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- ➔ P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- ➔ P310 | Immediately call a POISON CENTER/doctor/... .. manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.

- ➡ P312 | CALL a POISON CENTER/doctor/.../if you feel unwell ... manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.
- ➡ P321 | Specific treatment (see...on this label) ... reference to supplemental first aid instruction. - if immediate administration of antidote is required.
- ➡ P330 | Rinse mouth
- ➡ P363 | Wash contaminated clothing before reuse.

#### ☑ Storage

- ➡ P405 | Store locked up.

#### ☑ Disposal

- ➡ P501 | Dispose of contents/container to... in accordance with local/regional/national/international regulation (to be specified).

## 2.3 Other Hazards:

None

## Section 3 : Composition/Information On Ingredients.

### 3.1 Substances

**Common Names:** Disinfectant/Sanitizer

Ingredient Name	CAS	Percent
Water	7732-18-5	Up to 100%
Didecyl dimethyl ammonium chloride	7173-51-5	N/A
Dioctyl dimethyl ammonium chloride	5538-94-3	N/A
Octyl decyl dimethyl ammonium chloride	32426-11-2	N/A
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	N/A

## Section 4 : First Aid Measures.

### 4.1 Description of First Aid Measures:

**Inhalation:** If symptoms are experienced, move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

**Eyes:** Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.

**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:** Call a poison control center or doctor immediately for treatment advice. 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.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

**Inhalation:** Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Harmful if inhaled.

**Eyes:** Causes burns and may result in permanent injury to eyes including blindness.

**Skin:** Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin.

**Ingestion:** Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.

### 4.3 Special Treatment Needs:

**Special Needs:** Probable mucosal damage may contraindicate the usage of gastric lavage.

## Section 5 : Fire Fighting Measures.

### 5.1 Extinguishing Media:

Dry chemical, foam, carbon dioxide, water fog or any other agent suitable for surrounding fire.

## 5.2 Specific Hazards Arising from the Chemical:

Irritating or toxic gases or fumes may be released during a fire.

## 5.3 Special Protective Actions for Fire-Fighters:

Fire fighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

## Section 6 : Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Keep unauthorized personnel away. Stay unwind. Eliminate all ignition sources in immediate area.

### 6.2 Environmental Precautions:

Prevent entry into waterways sewers, basements or confined areas.

### 6.3 Methods and Materials for Containment and Cleaning Up:

1. Isolate spill or leak area immediately.
2. Ventilate closed spaces before entering.
3. All equipment used when handling the product must be grounded.
4. Floor will be slippery. Do not touch or walk through spilled material.
5. Stop leak if you can do it without risk.
6. A vapor suppressing foam may be used to reduce vapors.
7. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
8. Use clean non-sparking tools to collect absorbed material.

## Section 7 : Handling And Storage

### 7.1 Precautions For Safe Handling:

Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

**Hygiene Advice:** Do not eat, drink or smoke around product.

### 7.2 Conditions For Safe Storage:

keep the container tightly closed and in cool well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

## Section 8 : Exposure Controls And Personal Protection

### 8.1 Control Parameters:

Ingredient Name	CAS	OSHA	ACGIH
Water	7732-18-5	Not Established	Not Established
Didecyl dimethyl ammonium chloride	7173-51-5	N/A	N/A
Dioctyl dimethyl ammonium chloride	5538-94-3	N/A	N/A
Octyl decyl dimethyl ammonium chloride	32426-11-2	N/A	N/A
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	N/A	N/A

### 8.2 Engineering Controls:

Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

### 8.3 Protection Measures:

- **Individual Protection Measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.
- **Hygiene Measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory and at the end of the workday.
- **Eye/face Protection:** Wear tightly fitting chemical goggles.
- **Hand Protection:** Wear gloves recommended by glove supplier for protection against materials in section 3. Gloves must be inspected prior to use. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
- **Other Protective Equipment:** Wear impervious, protective chemical resistant clothing including lab coat, apron or coveralls as appropriate to the situation to prevent skin contact. Eye wash fountain and emergency showers are recommended.
- **Environmental Exposure Controls:** Do not empty into drains.

## Section 9 : Physical And Chemical Properties

### 9.1: Information on Basic Physical and Chemical Properties

Appearance:	Clear liquid
Odor:	Sweet Soap
OdorThreshold:	Not Available
PH:	6-9
Melting_FreezingPoint:	Not determined
InitialBoilingPoint:	Not determined
FlashPoint:	None when heated to 105 C.
EvaporationPoint:	Not determined
Flammability_Solid_Gas:	Not determined
LowerExplosiveLimit:	Not determined
UpperExplosiveLimit:	Not determined
VaporPressure:	Not determined
VaporDensity:	(Air=1) Heavier than air
RelativeDensity:	Not determined
Solubility:	Complete
Partition Coefficient: n-octanol/water:	Not determined
AutoIgnitionTemp:	Not determined
DecompositionTemp:	Not determined
Viscosity:	< 10

## Section 10 : Stability And Reactivity

### 10.1 Reactivity:

None

### 10.2 Chemical Stability:

Stable

### 10.3 Possibility of Hazardous Reactions:

Polymerization will not occur.

### 10.4 Conditions to Avoid:

Heat and strong oxidizing agents.

### 10.5 Incompatible Materials:

Strong oxidizing agents, reducing agents.

### 10.6 Hazardous Decomposition Position:

Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.

## Section 11 : Toxicological Information

No further information is available on this product at this time.

## Section 12 : Ecological Information

No further information is available on this product at this time.

## Section 13 : Disposal Considerations

This substance, when discarded or disposed of, is a characteristic hazardous waste according to federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing o

## Section 14 : Transport Information

### Proper DOT Shipping Name & Number

UN1903, Disinfectant Liquid, Corrosive, n.o.s., 8, II (Quaternary Ammonium Compound)

No further shipping information.

## Section 15 : Regulatory Information

TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA inventory.

## Section 16 : Other Information

### Hazardous Material Information System (HMIS)

HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION
2	0	0	C

Release Notes: Initial Release...

Prepared By: Regulatory Department; GL, DL

Issued Date: 3/26/2015      Revised Date: 3/26/2015      Revision: A

For additional information, contact us.

### Disclaimer:

Information contained in this SDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Manufacturer or Vendor in connection with the use of this information.