

# Safety Data Sheet

Issued Date: February 22, 2016

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Version 2

## 1. IDENTIFICATION

### Product Identifier

Product Name F-205A 710M Disinfectant/ Deodorant

### Other means of identification

Product Code F-205A

EPA Reg. No. 10324-117-37697

### Recommended use of the chemical and restrictions on use

Recommended Use Disinfect, deodorize, and sanitize hard non-porous surfaces.

### Details of the supplier of the safety data sheet

Missouri Vocational Enterprises

2727 Highway K

Bonne Terre, MO 63628

Phone: (573) 358-5516

### Emergency Telephone Number

INFOTRAC 1-800-535-5053 (North America)

1-352-323-3500 (International)

## 2. HAZARDOUS IDENTIFICATION

Signal Word **DANGER**

Classification	Hazard Category
Acute Toxicity, oral	3
Skin corrosion/irritation	1
Serious eye damage/eye irritation	1

### Health Hazard Statement(s)

H290 – May be corrosive to metals.

H301 – Toxic if swallowed.

H302 – Harmful if swallowed.

H314 – Causes severe skin burns and eye damage.

H318 – Causes serious eye damage.

### Hazard Pictogram(s)



### Hazard Ratings

Health	NFPA
Flammability	3
Reactivity	1
PPE	0
	N/A

### Precautionary Statement(s)

P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 – Keep container tightly closed.

P234 – Keep only in original container.

P260 – Do not breathe mist or vapor.

P264 – Wash face, hands and any exposed skin thoroughly after handling.

P270 – Do not eat, drink, or smoke when using this product.

P273 – Avoid release to the environment.

P280 – Wear protective gloves/protective clothing/ eye protection/face protection.

P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P301+P330+P331 – IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P320 – Specific treatment is urgent (see this label).

P363 – Wash contaminated clothing before reuse.

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

P403+P235 – Store in a well-ventilated place. Keep cool.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Potential Health Effects

<b>Skin Contact</b>	May cause severe skin burns.
<b>Eye Contact</b>	May cause serious eye damage.
<b>Inhalation</b>	May be fatal when inhaled.
<b>Ingestion</b>	May be toxic if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Octyl Decyl Dimethyl Ammonium Chloride	32426-11-2	3
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1.5
Dioctyl Dimethyl Ammonium Chloride	5538-94-3	1.5
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	4.0
Inert Ingredients	Proprietary	90

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

<b>General Advice</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	If inhaled, move person to fresh air and keep in a position comfortable for breathing. Contact a poison control center or doctor immediately for treatment advice.
<b>Ingestion</b>	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.

#### Most important symptoms and effects

<b>Symptoms</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>Special Treatment</b>	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

Suitable Extinguishing Media: Water fog, foam, dry chemical powder, carbon dioxide (CO<sub>2</sub>)

Unsuitable Extinguishing Media: Do not use water jet as extinguisher, as this will spread the fire.

### Specific Hazards Arising from the Chemical

Irritating and toxic gases or fumes may be released during a fire. Explosive mixtures can form with air. Combustion products are toxic. Solvent vapors can travel to an ignition source and flash back.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).

#### **Environmental precautions**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

### Methods and material for containment and clean up

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for Clean up**

Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements, or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

## 7. HANDLING AND STORAGE

### 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.

### Conditions for safe storage, including any incompatibilities

Keep the container tightly closed and in a 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH STEL	OSHA PEL	NIOSH TWA
Ethanol (CAS 64-17-5)	1000 ppm	1900 mg/m <sup>3</sup> 1000 ppm	1900 mg/m <sup>3</sup> 1000 ppm

### Appropriate engineering controls

Engineering Controls      Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

Eye/Face Protection      Wear chemical goggles. Use a face shield if splashing is possible.

Skin and Body Protection      Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.

Respiratory Protection      If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

General Hygiene Considerations      Eye wash fountain and emergency showers are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical State      Liquid

Color      Colorless

Odor      Slight organic

Odor Threshold

Not Determined

### Property

### Values

### Remarks - Method

pH      6-9

10% in water

Melting Point/Freezing Point      Not available

Boiling Point/Boiling Range      Not available

Flash Point      114 °F (47 °C)

ASTM D-56 (Tag Closed Cup)

Evaporation Rate      Estimated slower than ethyl ether

Flammability (Solid, Gas)      Liquid- Not applicable

Upper Flammability Limits      Not available

Lower Flammability Limits      Not available

Vapor Pressure      Not available

Vapor Density      Not available

Specific Gravity      0.93 (8 lbs./gal.)

Water Solubility      Not available

Solubility in other solvents      Not available

Partition Coefficient      Not available

Auto-ignition Temperature      Not available

Decomposition Temperature      Not available

Viscosity      320 cps @ 25 °C

Explosive Properties      Not available

Oxidizing Properties      Not available

## 10. STABILITY AND REACTIVITY

Reactivity      Not reactive under normal conditions.

Chemical Stability      Stable under normal conditions.

Conditions to Avoid      Keep away from heat and strong oxidizing agents.

Incompatible materials      Strong oxidizing agents (may result in fire), reducing agents.

**Hazardous Decomposition Products**

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

**Hazardous Polymerization**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Eye contact</b>	Causes serious eye damage.
<b>Skin contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Toxic if swallowed. Causes digestive tract burns.
<b>Inhalation</b>	May cause respiratory irritation.

**Symptoms related to the physical, chemical, and toxicological characteristics**

Burning pain and severe corrosive skin damage. Causes serious eye damage.

**Carcinogenicity**

Not considered to be a carcinogen.

**Reproductive toxicity**

Not expected to cause reproductive harm.

**Acute toxicity**

Toxic if inhaled or swallowed.

Product	Dermal LD50	Inhalation LC50	Oral LD50
Maquat MQ624M	740 mg/kg	N/A	405 mg/kg

**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

**Serious eye damage/irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

Not expected to cause respiratory or skin sensitization.

**Germ cell mutagenicity**

Not data to indicate any mutagenicity or genotoxicity.

**Specific target organ toxicity**

May cause damage to organs.

## 12. ECOLOGICAL INFORMATION

**Ectotoxicity**

Very toxic to aquatic organisms.

**Persistence and degradability**

Biodegradable.

**Bioaccumulative potential**

Not available.

**Other adverse effects**

No other adverse environmental effects are expected from this product.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Instructions**

Dispose of in accordance with local, regional, national, and international laws and regulations.

**Hazardous Waste Code**

Waste code should be assigned between the user, the producer, and the waste disposal company.

**Waste from residues / unused products**

Pesticide Disposal: 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.

**Contaminated Packaging**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. In addition, plastic containers may be disposed of by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT I.D. Number	UN2920
DOT Proper Shipping Name	Corrosive liquids, Flammable, N.O.S., (Quaternary Ammonium Compound, Ethanol)
DOT Hazard Classes:	
US DOT	8 (3)
Road (ADR)	8 (3)
Air (ICAO/IMDG)	8 (3)
Sea (IMO/IMDG)	8 (3)
Packing Group	II
DOT Label	Corrosive (Flammable)

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

This product is considered a pesticide, and is therefore excluded from United States TSCA Regulations.

### OSHA Hazard Communication Standard (29 CFR 1910.1200)

( X ) Hazardous ( ) Non- Hazardous

### SARA TITLE III

Section 302/304

Extremely Hazardous Substances: No

Section 311/312

(40CFR370) Hazardous Categories: Not available.

Section 313

Contains the following SARA 313 Toxic Release Chemicals: Not regulated.

### CERCLA

CERCLA Regulatory

Not regulated

### State Regulations

Component	Pennsylvania RTK	Massachusetts RTK	Rhode Island RTK
Ethanol (CAS 64-17-5)	X	X	X

### California Prop 65

This product may contain the following ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Benzyl Chloride (trace impurity <10 ppm).

### Inventories

Country(s) or Region	Inventory Name	On Inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

## 16. OTHER INFORMATION

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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