

ISSUE DATE: September 2013

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VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

PRODUCT NAME MULTI-SAN DS

### OTHER MEANS OF IDENTIFICATION

Product Code A35

Recommended Uses Food Disinfectant and Sanitizer

### SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS E-ZOIL Products, Inc.  
**DBA Emulso**  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889  
COMPANY FAX NUMBER (716) 854-2809  
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)  
NORTH AMERICA 800-535-5053  
INTERNATIONAL 352-323-3500

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Acute Toxicity (Oral) Category 5  
Skin Corrosion Category 1C  
Eye Corrosion Category 1

SIGNAL WORD Danger

### HAZARD STATEMENTS



### HAZARD STATEMENTS

1. Harmful if swallowed.
2. Causes severe skin burns and eye damage.
3. Toxic to aquatic life.
4. May be corrosive to metals.

APPEARANCE Liquid

PHYSICAL STATE Liquid

## PRECAUTIONARY STATEMENTS

<b>PREVENTION</b>	Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment. Keep out of reach of children. Wash thoroughly after handling. Keep only in original container.
<b>RESPONSE</b>	Immediately call poison center or doctor/ physician.
<b>IF SWALLOWED</b>	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
<b>IF IN EYES</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention.
<b>IF ON SKIN/HAIR</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.
<b>IF INHALED</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a poison center or doctor/physician if you feel unwell.
<b>IF EXPOSED/CONCERNED</b>	Get medical advice/ attention.
<b>STORAGE</b>	Store locked-up. Keep away from children.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b>	N/A
<b>OTHER INFORMATION</b>	Toxic to aquatic life with long lasting effects.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Alkyl (60% C14, 30% C16, 5% C12, 5% c18) dimethyl benzyl ammonium chloride	68391-01-5	5
Alkyl (68% C12, 32% C14) Dimethyl Ethyl Benz yl Ammonium chlorides	854029-23-0	5
Water	7732-18-5	90

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	Provide this SDS to medical personnel for treatment.
<b>EYE CONTACT</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>SKIN CONTACT</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>INHALATION</b>	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

### POTENTIAL ACUTE HEALTH EFFECTS

*Most important symptoms and effects, both acute and delayed*

<b>SYMPTOMS</b>	Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.
<b>NOTES TO PHYSICIAN</b>	Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE-FIGHTING MEASURES

<b>SUITABLE EXTINGUISHING MEDIA</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>UNSUITABLE EXTINGUISHING MEDIA</b>	None known
<b>SPECIFIC HAZARDS ARISING FROM CHEMICAL</b>	Not determined
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Decomposition products may include: Carbon dioxide, Carbon monoxide, nitrogen oxides.

### PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

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

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**PERSONAL PRECAUTIONS** Use personal protective equipment as required.  
**ENVIRONMENTAL PRECAUTIONS** See Section 12 for additional Ecological Information.

### METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

**CONTAMINATION** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.

**CLEAN-UP** Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Store at ambient temperatures. Store at ambient atmospheric pressure.

**INCOMPATIBLE MATERIALS** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

**ENGINEERING CONTROLS:** Apply technical measures to comply with the occupational exposure limits.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Chemical splash goggles.  
**SKIN/BODY PROTECTION** Rubber or other chemical resistant gloves.  
**RESPIRATORY PROTECTION** A respirator is not needed under normal and intended conditions of product use.  
**GENERAL HYGIENE** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPEARANCE</b>	According to product specification
<b>COLOR</b>	Water Clear
<b>ODOR</b>	Characteristic
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	6.0 to 8.0
<b>MELTING POINT/FREEZING POINT</b>	32°F; 0°C
<b>BOILING POINT/BOILING RANGE</b>	212°F; 100°C
<b>FLASH POINT</b>	> 100°C (212°F)
<b>EVAPORATION RATE</b>	(Water =1) 1.0
<b>FLAMMABILITY (SOLID, GAS)</b>	Not determined
<b>UPPER FLAMMABILITY LIMITS</b>	Not determined
<b>LOWER FLAMMABILITY LIMITS</b>	Not determined
<b>VAPOR PRESSURE</b>	20 mm Hg at (68°F)
<b>SPECIFIC GRAVITY</b>	0.994 grams/ml. at 20°C (68°F)
<b>RELATIVE DENSITY</b>	8.28 at 20°C (68°F)
<b>WATER SOLUBILITY</b>	Complete
<b>PARTITION COEFFICIENT</b>	Not determined
<b>N-OCTANOL/ WATER</b>	Not determined
<b>AUTO-IGNITION TEMPERATURE</b>	Not determined
<b>DECOMPOSITION TEMPERATURE</b>	Not determined
<b>VISCOSITY</b>	Water thin

## 10. STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Not reactive under normal conditions
<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	None under normal processing
<b>CONDITIONS TO AVOID</b>	Keep out of reach of children
<b>INCOMPATIBLE MATERIALS</b>	Strong oxidizers
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

**EYE CONTACT** Corrosive to eyes. Permanent damage may occur.  
**SKIN CONTACT** Corrosive to skin.  
**INHALATION** Avoid breathing vapors or mists.  
**INGESTION** May be harmful if swallowed.

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Alkyl dimethyl benzyl ammonium chloride (C14-C18)	> 1890 mg/kg (rat)	> 2000 mg/kg (rabbit)	-
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	> 500 mg/kg (rat)	> 2000 mg/kg (rabbit)	-

**SYMPTOMS** Please see section 4 of this SDS for symptoms.

**CARCINOGENICITY** IARC: No products were found.

**NUMERICAL MEASURES OF TOXICITY-PRODUCT** Not determined.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** This product is toxic to fish and aquatic invertebrates.

**PERSISTENCE AND DEGRADABILITY** Not determined  
**BIOACCUMULATION** This product is biodegradable.  
**OTHER ADVERSE EFFECTS** Not determined

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**WASTE DISPOSAL** 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 your local office, or the nearest EPA regional office for guidance.

**CONTAMINATED PACKAGING** Triple rinse container promptly after emptying. Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain and repeat. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.



14. TRANSPORT INFORMATION

DOT

UN Number UN1903
UN Proper Shipping Name Disinfectant, liquid, corrosive n.o.s.
Transport Hazard Class 8
Packing Group III

IATA

UN Number UN1903
UN Proper Shipping Name Disinfectant, liquid, corrosive n.o.s.
Transport Hazard Class 8
Packing Group III

IMDG

UN Number UN1903
UN Proper Shipping Name Disinfectant, liquid, corrosive n.o.s.
Transport Hazard Class 8
Packing Group III

15. REGULATORY INFORMATION

LEGEND

TSCA United States Toxic Substances Control Act Section 8(B) Inventory

U.S. FEDERAL REGULATIONS

SARA 313/312 HAZARD CATEGORIES

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CALIFORNIA PROPOSITION 65

No listed substance

16. OTHER INFORMATION

Table with 5 columns: NFPA, HEALTH HAZARDS, FLAMMABILITY, INSTABILITY, SPECIAL HAZARDS; and HMIS, HEALTH HAZARDS, FLAMMABILITY, PHYSICAL HAZARDS, PERSONAL PROTECTION. Values include 3, Not determined, and B.

### DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a 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.

**END OF SAFETY DATA SHEET**