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## 1. IDENTIFICATION

**PRODUCT IDENTIFIER**  
PRODUCT NAME SANI-KLEEN

**OTHER MEANS OF IDENTIFICATION**  
Product Code A36

**Recommended Uses** Food Contact Surface 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 1-800-633-8253  
INTERNATIONAL PERS 1-801-629-0667

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Skin Irritation Category 3  
Eye Irritation Category 2B

**SIGNAL WORD** Warning

### HAZARD STATEMENTS

**HAZARD STATEMENTS** 1. Causes eye irritation.  
2. Causes mild skin irritation.

**APPEARANCE** Liquid      **PHYSICAL STATE** Liquid

### PRECAUTIONARY STATEMENTS

**PREVENTION** Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling

**RESPONSE** Immediately call poison center or doctor/ physician.

**IF SWALLOWED** 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

### 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	0.01
Alkyl (68% C12, 32% C12, 32% C14) Dimethyl Ethyl Benzyl Ammonium Chloride	85409-23-0	0.01
Water	7732-18-5	99.98

### 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.

**INGESTION** 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*

**SYMPTOMS** Causes skin irritation. Causes serious eye damage.

**NOTES TO PHYSICIAN** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UNSUITABLE EXTINGUISHING MEDIA** None known

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Not determined

## 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** Product is toxic to sh and aquatic invertebrates.

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

## 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** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**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** Refer to 29 CFR 1910.133 for eye and face protection regulations.  
**SKIN/BODY PROTECTION** Refer to 29 CFR 1910.138 for appropriate skin and body protection.  
**RESPIRATORY PROTECTION** Refer to 29 CFR 1910.134 for respiratory protection requirements.  
**GENERAL HYGIENE** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPERANCE</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>	Not determined
<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>	1 grams/ml. at 20°C (68°F)
<b>RELATIVE DENSITY</b>	8.33 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.*

<b>EYE CONTACT</b>	Mild to moderate eye irritant.
<b>SKIN CONTACT</b>	May irritate skin with prolonged or repeated contact.
<b>INHALATION</b>	Avoid breathing vapors or mists.
<b>INGESTION</b>	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** None known

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

## 12. ECOLOGICAL INFORMATION

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

<b>PERSISTENCE AND DEGRADABILITY</b>	Not determined
<b>BIOACCUMULATION</b>	Not determined
<b>OTHER ADVERSE EFFECTS</b>	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**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION**

**LEGEND**

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

**U.S. FEDERAL REGULATIONS**

**SARA 311/312 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.

**CLEAN WATER ACT (CWA)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>INSTABILITY</b>	<b>SPECIAL HAZARDS</b>
	1	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>PHYSICAL HAZARDS</b>	<b>PERSONAL PROTECTION</b>
	1	Not determined	Not determined	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**