



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012

REVISION NUMBER: 4

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1. CHEMICAL PRODUCT

PRODUCT NAME: **HS-14, Hand Sanitizer Solution**

PRODUCT CODE: 117959

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2

Fire: 2/2

Reactivity: 0/0

Special/Protective Equipment: None/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Nausea. Mucosal damage. Possible toxic effects.
SKIN CONTACT: Prolonged contact can cause skin damage.
INHALATION: May irritate mouth, nose, and throat.
EYE CONTACT: Corrosive to eye tissue and may cause severe damage and blindness.
CHRONIC EFFECTS: None known.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
n-Alkyl dimethyl benzylammonium chlorides-irritant 68391-01-5	5	Not applicable	Not applicable
n-Alkyl dimethyl ethylbenzylammonium chlorides-irritant 68956-79-6	5	Not applicable	Not applicable
ETHYL ALCOHOL 64-17-5	less than 3	1000 ppm	1000 ppm 1900 mg/m ³

4. FIRST AID MEASURES

INGESTION: Drink several glasses of water or milk. Contact Physician.
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.
INHALATION: Move person to fresh air.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT:	(F): 170 F (PMCC) (C): Not determined
METHOD:	PMCC
FLAMMABLE LIMITS IN AIR	
LOWER (%):	4%
UPPER (%):	19%
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	Foam. Carbon dioxide. Water.
FIRE FIGHTING PROCEDURES:	None.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Rinse down drain.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

PERSONAL PRECAUTIONS:	Not applicable
ENVIRONMENTAL PRECAUTIONS:	Not applicable
METHODS FOR CLEANING UP:	Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Do not store near heat, sparks or flame. Do not contaminate water, food, or feed. Caution: Store in a cool, dry area. Do not reuse container. Avoid contact with eyes, skin and clothing.
OTHER PRECAUTIONS:	Read and follow label instructions. Keep out of reach of children.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:

EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	Not normally required. If product is used in a manner which creates dust or mist above recommended exposure limits, a NIOSH/MSHA approved respirator with dust/mist filter may be needed in the absence of proper environmental controls.
PROTECTIVE GLOVES:	Neoprene. Rubber gloves. Chemical resistant gloves are recommended to minimize skin contact.
EYE PROTECTION:	Goggles. Face shield.
OTHER PERSONAL PROTECTION EQUIPMENT:	Chemical resistant materials are required to prevent prolonged or repeated skin contact.
VENTILATION:	General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear liquid. Mild odor.	
BOILING POINT (F):	212 F	(C) Not determined
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Heavier	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	0.99	
VOC Content (%):	NE	
EVAPORATION RATE:	As water	
PH:	7.2	

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9. PHYSICAL AND CHEMICAL PROPERTIES

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Ammonia vapors. Nitrous Oxide.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidents, such as nitric acid, or hypochlorites.
CONDITIONS/HAZARDS TO AVOID: None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established
EFFECTS OF CHRONIC EXPOSURE: Not established.
OTHER TOXIC EFFECTS: Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: Not applicable.
PERSISTENCE/DEGRADABILITY: Not applicable
BIOACCUMULATIVE POTENTIAL: Not applicable
OTHER ADVERSE EFFECTS: Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
n-Alkyl dimethyl benzylammonium chlorides-irritant 68391-01-5	5	Not Listed	Listed	Not Listed	Not Listed
n-Alkyl dimethyl ethybenzylammonium chlorides- irritant 68956-79-6	5	Not Listed	Listed	Not Listed	Not Listed
ETHYL ALCOHOL 64-17-5	less than 3	Listed	Listed	Listed	Developmental

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
n-Alkyl dimethyl benzylammonium chlorides-irritant 68391-01-5	5	Not Listed	Not Listed	Not Listed
n-Alkyl dimethyl ethybenzylammonium chlorides- irritant 68956-79-6	5	Not Listed	Not Listed	Not Listed
ETHYL ALCOHOL 64-17-5	less than 3	Not Listed	Not Listed	Not Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
ETHYL ALCOHOL 64-17-5	less than 3	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
ETHYL ALCOHOL 64-17-5	less than 3	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
ETHYL ALCOHOL 64-17-5	less than 3	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***