

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Handy San Product Use: Foaming Hand Sanitizer Manufactured by: Kor-Chem, Inc. 5800 Bucknell Drive Atlanta, GA 30336	Product Identification # (PIF): 02744 Emergency Telephone #: 1-800-255-3924 General Information #: 404-344-9580 Date Prepared: June 15, 2015
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Eye Irritation	2B	H320	Causes eye irritation

Precautionary	Code	Statement
Prevention	None	None (No need to wash thoroughly after handling)
Response	P305+P351+P338 P337+P313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	None	None
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of any hazards not otherwise classified: Potential health effects – Ingestion may cause irritation to the entire gastrointestinal tract.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Conc. Range %
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	None	8001-54-5	<1
1-dodecanaminium, n,n,n-trimethyl-, Chloride	None	112-00-5	<1
1-hexadecanaminium, n,n,n-trimethyl-, Chloride	None	112-02-7	<1
Ethanol, 2,2'-iminobis-, N-coco Alkyl Derivs., N-oxides	None	61791-47-7	<1

SECTION 4. FIRST AID MEASURES

- **Eyes:** Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.
- **Skin:** Safe to use on hands. If irritation develops and persists, seek medical attention.
- **Inhalation:** Move to fresh air if symptoms develop.
- **Ingestion:** Rinse mouth. Seek medical attention if symptoms develop or persist.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIB Combustible Liquid

Flash Point: Above 200°F (93°C)

- **Extinguishing Media:** Foam, dry chemical, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.
- **Specific hazards arising from chemical:** None known.
- **Hazardous combustion products:** Oxides of carbon and nitrogen.
- **Firefighting protective equipment:** Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
- **Sensitivity to static discharge:** This product is not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area.

- **For Small Spills:** Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.
- **For Large Spills:** Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

- **Handling:** Wear personal protection equipment (Section 8). Use with adequate ventilation. Do not handle around sources of ignition. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not premix with other chemicals.
- **Storage:** Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store away from strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ingredient</u>	<u>CAS #</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>	<u>STEL</u>
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	8001-54-5	Not established	Not established	Not established
1-dodecanaminium, n,n,n-trimethyl-, Chloride	112-00-5	Not established	Not established	Not established
1-hexadecanaminium, n,n,n-trimethyl-, Chloride	112-02-7	Not established	Not established	Not established
Ethanol, 2,2'-iminobis-, N-coco Alkyl Derivs., N-oxides	61791-47-7	Not established	Not established	Not established

Engineering Controls: Provide adequate ventilation.

Personal protective equipment:

- **Eye:** Safety glasses not needed, but can be used when cleaning up a spill.
- **Skin:** Not applicable
- **Respirator:** Not applicable
- **Other:** Not applicable

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Citrus & floral	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	<1
pH	4 – 7.5	Specific gravity (water = 1.0)	1.000 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Above 200°F (93°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class IIIB Combustible	%Volatile/Volume	90

SECTION 10. STABILITY AND REACTIVITY

- **Reactivity:** Not reactive under normal conditions.
- **Chemical stability:** Stable under normal, ambient temperature and conditions.
- **Possibility of hazardous reactions:** Hazardous polymerization will not occur.
- **Conditions to avoid:** Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals
- **Incompatible materials:** Avoid strong oxidizing agents.
- **Hazardous combustion products:** Oxides of carbon and nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- Oral (LD50 Rat): >5000mg/kg
- Dermal (LD50 Rabbit): >5000mg/kg
- Inhalation (LC50 Rat): >5000mg/kg
- **Eye Contact:** Causes eye irritation.
- **Skin Contact:** No effects expected - Safe to use on hands.
- **Inhalation:** No effects expected. Inhalation of mists/sprays may cause irritation of respiratory tract.
- **Ingestion:** May irritate the mouth, throat and gastrointestinal tract.
- NTP/IARC/OSHA Carcinogen: No

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Effects:

- 96h LC-50 (fish): >100ppm
- 96h EC-50 (invertebrates): >100ppm
- 48h LC-50 (algae): Not determined
- **Persistence and degradability:** Not determined
- **Bioaccumulation:** Not determined
- **Mobility:** This product is soluble in water and may spread in water systems. Soil mobility not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

- **Disposal of Wastes:** Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.
- **Contaminated Packaging:** Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
- **RCRA:** Not applicable

SECTION 14. TRANSPORT INFORMATION

United States DOT:

- Not regulated

IATA and IMDG:

- Not regulated
- Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

- **TSCA:** All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.
- **SARA Section 302:** The components of this product are either not regulated or regulated, but present in negligible concentrations.
- **SARA TITLE III Section 311/312:**

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

- **SARA Title 313:** This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).
- **CERCLA:** This product does not have a reportable quantity.
United States Right-To-Know: None known.
- **Proposition 65:** This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
- **RCRA:** Not applicable

SECTION 16. OTHER INFORMATION

- Date Prepared: June 15, 2015
- Hazard Ratings (HMIS): Health 1, Flammability 1, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.
- Product VOC: 0%
- % Active Quat: 0.10 – 0.13%
- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.
 SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.