

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Snyder Manufacturing Hand Sanitizer  
**Other means of identification**  
**Recommended use** Hand Sanitizing  
**Recommended restrictions** None Known

## Manufacturer/Importer/Supplier/Distributor information

### Manufacturer

**Company name** Snyder Manufacturing Corporation  
**Address** 1541 West Cowles Street  
Long Beach California 90813  
United States  
**Telephone** 562 432 2038  
**E-mail** eric@snydermanufacturing.com  
**Emergency phone number:** 800 633 8253 PERS ACCT # 3120

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Label elements** Not classified.

**Signal word** KEEP OUT OF REACH OF CHILDREN

**Hazard statement** May cause skin irritation. May cause eye irritation.

**Precautionary statement** None required under normal conditions. Wash skin or flush eyes if irritation occurs.  
**Prevention**

**Response**

|

**Storage**

**Disposal**

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

**Hazard(s) not otherwise classified (HNOC)**

**Supplemental information** None.

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name   | Common name and synonyms | CAS number                 | %        |
|---|--------------------------|----------------------------|----------|
| Alkyl Dimethyl Benzylammonium Chloride                  |                          | 8001-54-5 (ALT 68391-01-5) | .1       |
| 1-dodecanaminium, n,n,n-trimethyl-, Chloride            |                          | 112-00-5                   | < 1      |
| 1-hexadecanaminium, n,n,n-trimethyl-, Chloride          |                          | 112-02-7                   | < 1      |
| Ethanol, 2,2'-iminobis-, N-coco Alkyl Derivs., N-oxides |                          | 61791-47-7                 | < 1      |
| Other components below reportable levels                |                          |                            | 90 - 100 |

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause redness and pain.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |

#### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

**Occupational exposure limits** This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). Face shield is recommended.

#### Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** Clear.

**Physical state** Liquid.

**Form** Liquid.

**Color** Not available.

**Odor** Mild

**Odor threshold** Not available.

**pH** 5 - 7

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** 212 °F (100 °C)

**Flash point** > 199.4 °F (> 93.0 °C)

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

|  |                        |
|--|------------------------|
| <b>Solubility(ies)</b>                         |                        |
| <b>Solubility (water)</b>                      | Miscible               |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.         |
| <b>Auto-ignition temperature</b>               | Not available.         |
| <b>Decomposition temperature</b>               | Not available.         |
| <b>Viscosity</b>                               | Not available.         |
| <b>Other information</b>                       |                        |
| <b>Explosive properties</b>                    | Not explosive.         |
| <b>Oxidizing properties</b>                    | Not oxidizing.         |
| <b>Specific gravity</b>                        | 0.98 - 1.02 @ 20 deg C |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No adverse effects due to inhalation are expected. |
| <b>Skin contact</b> | May cause skin irritation.                         |
| <b>Eye contact</b>  | Causes serious eye irritation.                     |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.             |

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

#### Acute toxicity

| Components  | Species | Test Results                       |
|---|---------|------------------------------------|
| 1-dodecanaminium, n,n,n-trimethyl-, Chloride (CAS 112-00-5)   |         |                                    |
| <b>Acute</b>  |         |                                    |
| <b>Oral</b>   |         |                                    |
| LD50  | Rat     | 490 mg/kg                          |
| 1-hexadecanaminium, n,n,n-trimethyl-, Chloride (CAS 112-02-7) |         |                                    |
| <b>Acute</b>  |         |                                    |
| <b>Dermal</b>   |         |                                    |
| LD50  | Rabbit  | 1600 mg/kg<br>1300 mg/kg, 24 Hours |
| <b>Oral</b>   |         |                                    |
| LD50  | Rat     | 699 mg/kg<br>450 mg/kg             |
| Alkyl Dimethyl Benzylammonium Chloride                        |         |                                    |
| <b>Acute</b>  |         |                                    |
| <b>Dermal</b>   |         |                                    |
| LD50  |         | 3560 mg/kg                         |
|   | Rat     | 704 - 100 mg/kg                    |

| Components                               | Species  | Test Results      |
|--|--|-------------------|
| <b>Inhalation</b>                        |  |                   |
| LC50                                     | Rat  | 0.054 - 0.51 mg/l |
| <b>Oral</b>                              |  |                   |
| LD50                                     |  | 430 mg/kg         |
|  | Rat  | 525 mg/kg         |
| <b>Skin corrosion/irritation</b>         | May cause skin irritation.   |                   |
| <b>Serious eye damage/eye irritation</b> | May cause eye irritation.  |                   |
| <b>Respiratory or skin sensitization</b> |  |                   |
| <b>Respiratory sensitization</b>         | Not a respiratory sensitizer.  |                   |
| <b>Skin sensitization</b>                | This product is not expected to cause skin sensitization.  |                   |
| <b>Germ cell mutagenicity</b>            | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                   |
| <b>Carcinogenicity</b>                   | No data available to indicate product or any components present at greater than 0.1% are carcinogenic.           |                   |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**12. Ecological information**

**Ecotoxicity** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

| Components  | Species | Test Results                               |
|---|---------|--|
| 1-dodecanaminium, n,n,n-trimethyl-, Chloride (CAS 112-00-5)   |         |  |
| <b>Aquatic</b>  |         |  |
| <i>Acute</i>  |         |  |
| Crustacea   | LC50    | Daphnia 0.39 mg/l, 48 h                    |
| Fish  | LC50    | Atlantic salmon (Salmo salar) 6 mg/l, 96 h |
| <i>Chronic</i>  |         |  |
| Crustacea   | NOEC    | Daphnia 0.2 mg/l, 7 d                      |
| Fish  | NOEC    | Fish 1.25 mg/l, 7 d                        |
| 1-hexadecanaminium, n,n,n-trimethyl-, Chloride (CAS 112-02-7) |         |  |
| <b>Aquatic</b>  |         |  |
| <i>Acute</i>  |         |  |
| Crustacea   | EC50    | Crustacea 0.18 mg/l, 96 h                  |
|   |         | Daphnia 0.55 mg/l, 48 h                    |
| Fish  | LC50    | Danio rerio 0.19 - 0.29 mg/l, 96 h         |
| <i>Chronic</i>  |         |  |
| Crustacea   | NOEC    | Daphnia 0.0991 mg/l, 21 d                  |
| Fish  | NOEC    | Fish 0.0322 mg/l, 28 d                     |
| Alkyl Dimethyl Benzylammonium Chloride                        |         |  |
| <b>Aquatic</b>  |         |  |
| Crustacea   | EC50    | Daphnia 0.0059 mg/l, 48 h                  |

| Components   | Species   | Test Results                            |                   |
|--|---|---|-------------------|
|  | NOEC  | Daphnia                                 | 0.0042 mg/l, 21 d |
| Fish   | LC50  | Fish                                    | 0.28 mg/l, 96 h   |
|  |   |   | 0.0322 mg/l, 28 d |
| <i>Acute</i>   |   |   |                   |
| Fish   | LC50  | Bluegill ( <i>Lepomis macrochirus</i> ) | 0.515 mg/l        |
| <i>Chronic</i>   |   |   |                   |
| Crustacea  | NOEL  | Daphnia                                 | 0.0042 mg/l       |
| <b>Persistence and degradability</b>                     | No data is available on the degradability of any ingredients in the mixture.  |   |                   |
| <b>Bioaccumulative potential</b>                         | No data available.  |   |                   |
| <b>Partition coefficient n-octanol / water (log Kow)</b> |   |   |                   |
| 1-hexadecanaminium, n,n,n-trimethyl-, Chloride           |   | 3.23                                    |                   |
| <b>Mobility in soil</b>                                  | No data available.  |   |                   |
| <b>Other adverse effects</b>                             | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |   |                   |

### 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

### 14. Transport information

|   |  |
|---|--|
| <b>DOT</b>  | Not regulated as dangerous goods.              |
| <b>IATA</b>   | Not regulated as dangerous goods.              |
| <b>IMDG</b>   | Not regulated as dangerous goods.              |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established.                               |
| <b>General information</b>  | Ensure compliance with applicable regulations. |

### 15. Regulatory information

|  |  |  |
|--|--|--|
| <b>US federal regulations</b>  | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.     |  |
| <b>Toxic Substances Control Act (TSCA)</b>                           | All components of the mixture on the TSCA 8(b) inventory are designated "active".                                  |  |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b> | Not regulated.   |  |
| <b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>   |  |  |
| <b>Classified hazard categories</b>                                  | May cause skin irritation<br>May cause eye irritation  |  |
| <b>Hazard categories</b>   | Immediate Hazard - No<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No |  |

**Section 302 extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**SARA 313 (TRI reporting)**  
Not regulated.**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**California Proposition 65** Pilot Chemical does not provide Proposition 65 information on our safety data sheets. Proposition 65 statements are available upon request by contacting [reginfo@pilotchemical.com](mailto:reginfo@pilotchemical.com).**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| 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) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

|                      |  |
|----------------------|--|
| <b>Issue date</b>    | 05-28-2015   |
| <b>Revision date</b> | 09-20-2019   |
| <b>Version #</b>     | 06   |
| <b>HMIS® ratings</b> | Health: 0<br>Flammability: 0<br>Physical hazard: 0 |
| <b>NFPA ratings</b>  | Health: 0<br>Flammability: 0<br>Instability: 0     |

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**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.