**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name **ANTIMICROBIAL HAND SOAP**

Other means of identification : Not applicable

Recommended use Hand cleaner

Restrictions on use : For industrial and professional use

Company Advanced Chemical Technology, Inc

4940 Jackson St

Denver, Colorado 80216

Emergency telephone (800) 535-5053

Poison control center (800)-222-1222

Issuing date 01/19/2016

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Eye irritation : Category 2B

**GHS Label element**

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Response:**

 **:** IF IN EYES: 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.

**Other hazards** : None known

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure Substance/Mixture Mixture

**Chemical Name CAS-No. Concentration (%)**

Anionic/nonionic surfactant blend Proprietary 15-25

citric acid 77-92-9 .2-.2

**SECTION 4. FIRST AID MEASURES**

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of First-Aiders : No special precautions are necessary for first aid responders.

Notes to Physician : No specific measures identified.

Most important symptoms and : See Section 11 for more detailed information on health effects

effects, both acute and delayed and symptoms.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing Media : Use extinguishing measures that are appropriate to local

 Circumstances and the surrounding environment.

Unsuitable extinguishing : None known

media

Specific hazards arising from the : Not flammable or combustible.

chemical

Hazardous combustion : Decomposition products may include the following materials:

products Carbon oxides

Specific fire-fighting methods : Use personal protective equipment

Special Protective Equipment : Fire residues and contaminated fire extinguishing water must be

for Fire-Fighters disposed of in accordance with local regulations.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective : Refer to protective measures listed in section 7 and 8.

equipment and emergency

procedures

Environmental precautions : No special environmental precautions required.

Methods and materials for : Stop leak if safe to do so. Contain spillage, and then collect with containment and cleaning up non-combustible absorbent material, (e.g. sand, earth,

 diatomaceous earth, vermiculite) and place in container for

 disposal according to local/ national regulations (see section 13).

 Flush away traces with water. For large spills, dike spilled material

 or otherwise contain material to ensure runoff does not reach a

 waterway.

**SECTION 7. HANDLING AND STORAGE**

Advice on Safe Handling : Wash hands thoroughly after handling.

Conditions for Safe Storage : Keep out of reach of children. Store in suitable labeled

 containers.

Storage Temperature : Store between the following temperatures: 5 ̊C and 50 ̊C

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

Engineering Measures : Good general ventilation should be sufficient to control worker

 exposure to airborne contaminants.

**Personal Protective Equipment**

Eye Protection : No special protective equipment required.

Hand Protection : No special protective equipment required.

Skin Protection : No special protective equipment required.

Respiratory Protection : No personal respiratory protective equipment normally required.

Hygiene measures : Wash hands before breaks and immediately after handling the

 product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Liquid

Color Red

Odor : Mild

pH : 5.5 – 8.0, 100%

Flash Point : > 100 ̊C

Odor Threshold : No data available

Melting Point/Freezing Point : No data available

Initial Boiling Point and : >100 ̊C (>212 ̊F) Boiling Range

Evaporation Rate : No data available

Flammability (solid, gas) : No data available

Upper Explosion Limit : No data available

Lower Explosion Limit : No data available

Vapor Pressure : No data available

Relative Vapor Density : No data available

Specific Gravity : 1.007

Relative Density : 1.008 to 1.016 (Water = 1)

Water Solubility : Complete

Solubility in Other Solvents : No data available

Partition Coefficient: n- : No data available Octanol/Water

Autoignition Temperature : No data available

Thermal Decomposition : No data available

Viscosity, Kinematic : No data available

Explosive Properties : No data available

Oxidizing Properties : No data available

Molecular Weight : No data available

VOC : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Chemical Stability : Stable under normal conditions

Possibility of hazardous : No dangerous reaction known under conditions of normal use.

reactions

Conditions to avoid : None known.

Incompatible materials : None known.

Hazardous decomposition : Under normal conditions of storage and use, hazardous

products decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of : Inhalation, Eye contact, Skin contact

exposure

**Potential Health Effects**

Eyes : Causes eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic exposure **:** Health injuries are not known or expected under normal use.

**Experience with human exposure**

Eye contact : Redness, irritation.

Skin Contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation  **:** No symptoms known or expected.

**Toxicity**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : No data available.

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg

Skin corrosion/irritation : No data available.

Serious eye damage/eye : Mild eye irritation.

Irritation

Respiratory or skin : No data available.

sensitization

Carcinogenicity : No data available.

Reproductive effects : No data available.

Germ cell mutagenicity : No data available.

Teratogenicity : No data available.

STOT –single exposure : No data available.

STOT –repeated exposure : No data available.

Aspiration toxicity : No data available.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Environmental Effects : Harmful to aquatic life.

**Product**

Toxicity to fish : No data available.

Toxicity to daphnia and other : No data available.

aquatic invertebrates

Toxicity to algae : No data available.

**Ingredients**

Toxicity to fish : Alkylpolycosides

 96 h LC50 Fish: 5 mg/l

 citric acid

 96 h LC50 Fish: > 100 mg/l

**Ingredients**

Toxicity to daphnia and other : Anionic surfactants

aquatic invertebrates 48 h EC Daphnia : 1.37 mg/l

 Persistance and degradability

no data available

 Bioaccumulative potential

no data available

 Mobility in soil

no data available

**Other adverse effects**

no data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : The product should not be allowed to enter drains, water courses

 or the soil.

Disposal Considerations : Dispose of in accordance with local, state, and federal regulations.

**SECTION 14. TRANSPORT INFORMATION**

This shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land transport (DOT)**

Not regulated

**Sea transport (IMDG/IMO)**

Not regulated

**SECTION 15. REGULATORY INFORMATION**

**EPCRA – Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ

**SARA 304 Extremely Hazardous Substance Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ

**SARA 311/312 Hazards :**  Acute Health Hazard

**SARA 302 :** No chemicals in this material are subject to the reporting

 requirements of SARA Title lll, Section 302.

**SARA 313 :** The following components are subject to reporting levels

 established by SARA Title lll, Section 313:

**California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other

reproductive defects.

**The ingredients of this product are reported in the following inventories:**

**United States TSCA Inventory :**

On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**

This product contains one or several components listed in the Canadian NDSL.

**SECTION 16. OTHER INFORMATION**

**Hazardous Material :**

**Information System (U.S.A)**

 **Health 1**

 **Flammability**  **0**

 **Physical Hazards** **0**

**NFPA:**

 **Flammability**

**13**

**Instability/**

**Reactivity**

**Health**

**0**

**0**

 **Special Hazard**

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Prepared by : Specialty Chemicals & Systems

Notice to reader

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge., information and belief 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.