

Corrosion Technologies  
2638 National Dr  
Garland, Texas 75041  
(972) 271-7361 Fax: (972) 278-9721

*Advanced Hand Sanitizer*  
**Safety Data Sheet**

### 1. IDENTIFICATION

**Product Name:** Advanced Hand Sanitizer  
**Product Number:** 900351, 90350, 90354, 90355  
**Product Type and Use:** Anti-Bacterial Hand Sanitizer Gel  
**Manufacturer:** Corrosion Technologies  
2638 National Drive, Garland, TX 75041  
**Contact:** Telephone: 972-271-7361 Fax: 972-278-9721  
**Emergency Telephone:** CHEMTREC® USA (800) 424-9300  
Outside US (703) 927-3887

### 2. HAZARDS IDENTIFICATION

#### Hazard Classification

**Health Hazard(s)**  
Eye Irritation Category 2A  
**Physical Hazard(s)**  
Flammable Liquid Category 3

**Hazard(s) not otherwise classified**  
None

#### Labeling

**Signal Word:** WARNING



#### Pictograms:

#### Statements of Hazard

##### Hazard Statements

Flammable liquid and vapour  
Causes serious eye irritation

##### Precautionary Statements

Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed and cool. Take precautionary measures against static discharge. Use and store in a well-ventilated place. In case of fire use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam. Dispose of contents and container in accordance with local regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Ethyl alcohol	64-17-5	70

### 4. FIRST AID MEASURES

**General Advice:** Causes eye and skin irritation. Aspiration may cause lung damage. May cause dizziness and drowsiness. Keep away from heat, sparks, hot surfaces and open flame. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Do not swallow. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Warning! May cause irritation to skin and eyes. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not ingest.

**Inhalation:** remove from exposure area. Remove to fresh air. Give artificial respiration if not breathing. Get medical attention.

**Skin Contact:** wash from skin with mild soap and water. Remove contaminated clothing and wipe excess from skin. Wash with soap and water. Get medical attention.

**Eye Contact:** flush with water for at least 15 minutes. If irritation persists, seek medical attention. Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.

**Ingestion:** if conscious, give large quantities of water to induce vomiting. Get medical attention. Do not induce vomiting. No treatment necessary unless large quantities are ingested, then seek medical advice.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Suitable:** Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

**Unsuitable:** Alcohol, Alcohol based solutions, any other media not listed above.

**Fire Fighting Procedures:** As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Unusual Fire and Explosion Hazards:** Solvent vapors are heavier than air and may travel to distant, low lying sources of ignition and may ignite and explode.

**Hazardous Combustion/ Decomposition Products:** Oxides of carbon

**Special Firefighting Protection Equipment/ Measures:** Full protective equipment including self-contained breathing apparatus. Full protective equipment including self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions / Protective Equipment / Emergency Procedures:** Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition and take precautionary measures against static discharges.

**Methods and materials for containment and cleaning up:** Do not flush into surface water or sanitary sewer system. Dike and contain spillage. Soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Use clean

non-sparking tools to collect absorbed material and transfer to a properly labeled container for disposal according to local / national regulations.

## 7. HANDLING AND STORAGE

### HANDLING

**Precautions for Safe Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing mist or vapors. Wash thoroughly after handling: remove contaminated clothing and wash before reuse. Use with adequate ventilation. Follow all SDS/label precautions even after container is empty due to residue. Avoid contact.

### STORAGE

**Conditions to avoid:** Store in a cool, dry, well-ventilated place in the original container. Keep container tightly closed when not in use. Avoid excess heating, high temperatures, sparks, hot surfaces, open flames, and all other sources of ignition.

**Materials to avoid / incompatibilities:** Alkali metals, Oxidizing agents, Peroxides

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

Component	ACGIH		STEL ppm	STEL mg/m <sup>3</sup>	OSHA PEL mg/m <sup>3</sup>	STEL
	TLV ppm	TLV mg/m <sup>3</sup>				
Ethyl alcohol			1000		1900	

**Engineering Controls:** Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

### Personal Protection

**Respiratory Protection:** None required under normal use conditions. In case of insufficient ventilation and for exposures above occupational exposure limits wear a NIOSH approved air purifying respirator with organic vapor cartridge.

**Hand / Skin Protection:** Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron depending on the extent and duration of exposure.

**Eye / Face Protection:** Safety glasses with side-shields. An eyewash station should be available to the area of use.

**General Hygiene Measures:** Avoid contact with eyes and skin. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Transparent

**Physical State:** Liquid (gel)

**Odor:** Sweet

**Color:** Clear

**Viscosity, cSt @ 40°C:** Not determined

**cSt @ 100°C:** Not determined

**pH:** 7.1

**Boiling Point/ Range:** 158°F / 70°C

**Melting Point:** Not established

**Flash Point:** 25°C / 77°F

**Method:** Cleveland Open Cup

**Lower Explosive Limit, vol %:** 3.3

**Upper Explosive Limit, vol %:** 19

**Autoignition Temperature:** Not established

**Percent Volatile by volume:** Not established

**Vapor Density (Air=1) :** >1

**Evaporation Rate (BuAc=1) :** <0.01

**Vapor Pressure, mmHg @23°C:** >1 mmHg

**Solubility in water:** Slightly emulsifiable

**Octanol/Water Partition:** Not established

**VOC Content g/l (%):** 612.5 g/L (70%)

**Specific Gravity @15.6°C:** 0.875

**Pour Point:** -22°F / -30°C

**Percent volatile by Volume:** >95%

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at ambient temperatures.

**Conditions to Avoid:** Avoid high temperatures, sparks, open flame, and all other sources of ignition

**Hazardous Polymerization:** Will not occur.

**Materials to Avoid:** strong alkalis, strong mineral acids. Bases, acids, amines and oxidizing materials.

**Hazardous Decomposition Products:** Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Product Information:** Not established

### Ingredient Information

#### Acute Effects

**Signs and Symptoms of Overexposure:** Irritation, Coughing/Sneezing, Dizziness

**Inhalation:** Inh-rat LC50 30,000 mg/L (4-hr)

**Skin Contact:** Skn-Rbt - 15,800 mg/kg

**Skin Contact:** Skn-Rbt - No skin irritation (OECD TG 404)

**Eye Contact:** Skn-Rbt - Moderate eye irritation (OECD TG 405)

**Ingestion:** Orl-rat LD50 >10,470 mg/kg

**Carcinogenicity:** ACGIH A3 Confirmed animal carcinogen with unknown relevance to humans.

## 12. ECOLOGICAL INFORMATION

**Product Data**

Not established

**Ingredient Data****Toxicity to fish:** LC50 (Pimephales promelas (fathead minnow)): 14,200 mg/l Exposure time: 96 h**Toxicity to daphnia and other aquatic invertebrates:** EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h**Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):** NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d**Toxicity to bacteria:** EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h**13. DISPOSAL CONSIDERATIONS****Product:** Dispose of in accordance with local regulations. Smaller quantities can be disposed of with household waste.**Container:** Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal. Empty containers may contain residues. Do not cut, weld or grind empty containers.**14. TRANSPORT INFORMATION****Road Transport****DOT Hazard Class:** 3**Description:** Flammable Liquid**UN-No.:** UN1170**Proper Shipping Name:** Ethyl Alcohol**Subsidiary Shipping Hazard:** N/A**Sea Transport****IMDG/GGV See Class:** 3**UN-No.:** UN1170**EmS:****Page-No.:****Packing Group:** III**Proper Shipping Name:** Ethyl Alcohol**Subsidiary Shipping Hazard:** N/A**Environmental Shipping Hazard:** N/A**Marine Pollutant:** No**Air Transport****ICAO/IATA Class:** 3**UN-No.:** UN1170**Packing Group:** III**Shipping Name:** Ethyl Alcohol**Subsidiary Shipping Hazard:** N/A**15. REGULATORY INFORMATION****U.S. Federal Regulations****Toxic Substances Control Act (TSCA):** All components are included on the Inventory**Superfund Amendments and Reauthorization Act (SARA) Title III:**

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
X		X		

**16. OTHER INFORMATION****Prepared by:** Corrosion Technologies, Technical Services Department**Revision Date:** 4/14/2020**Supersedes Date:** N/A**Revision Indicator:** US SDS v1.0**National Fire Protection Association (704)****Health:** 1**Flammability:** 3**Reactivity:** 0**Other:**

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: U. S. Corrosion Technologies, (972) 271-7361.