



## Safety Data Sheet

### SECTION 1. IDENTIFICATION

**Product Identifier** Junction 56 Hand Sanitizer – 80% Ethanol  
**Recommended Use** Hand Sanitizer  
**Manufacturer Address** 45 Cambria St., Stratford ON., N5A 1G8  
**General Info Contact** Phone – 1 519 305 5535  
Email – info@junction56.ca  
**Product Dilution** Product is sold ready to use or for repackaging  
**In Case of Spill** CANUTEC – 613-759-6384  
**Emergency contact:**

### SECTION 2. HAZARD IDENTIFICATION

This material is an Over- The – Counter consumer product that is safe for consumers & workplaces with the intended reasonable and expected manner. **NOTE:** Warnings below are for exposure to large quantities of the product. Normal usage should not create a hazardous condition.



**Flammable Liquids  
Category 3**

#### Emergency Overview

FLAMMABLE LIQUID  
AND VAPOR  
Irritating to eyes



**Eye Irritation Category 2A**

**Appearance:** Aqueous Solution

**Physical State:** Viscous Liquid

**Odor:** Alcohol

**Signal Word:** Warning

**Hazard Statements :** Flammable liquid and vapor.  
Causes serious eye irritation.

**Precautionary Statements :**

**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

**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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:** Store in a well-ventilated place. Keep cool.

**Disposal:** Dispose of contents/ container in an approved waste disposal method.

**Other hazards:** None known.

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

Chemical Name	CAS No.	Concentration of Recipe
Ethanol 96%	64-17-5	80.0% (v/v)
Hydrogen Peroxide 3%	7722-84-1	0.125%(v/v)
Glycerol 98%	56-81-5	1.45% (v/v)

**SECTION 4. FIRST-AID MEASURES**

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

**Skin Contact:** In the case of skin irritation or allergic reactions see a physician.

**Inhalation:** Move to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If symptoms persist, call a physician.

**Ingestion:** Rinse mouth. Drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.

**Notes to Physician** Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media:</b>	High volume water jet
<b>Specific hazards during fire fighting:</b>	Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
<b>Hazardous combustion products:</b>	Carbon oxides

<b>Special protective equipment for fire-fighters:</b>	Use personal protective equipment.
<b>Specific extinguishing methods:</b>	Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
<b>Environmental precautions:</b>	Do not allow contact with soil, surface or ground water.
<b>Methods and materials for containment and cleaning up:</b>	Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with 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**

<b>Advice on safe handling:</b>	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces.
<b>Conditions for safe storage:</b>	Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
<b>Storage temperature:</b>	0 °C to 35 °C

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** There is no exposure data for the Product. This section reflects exposure data pertaining to individual ingredients.

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA (ppm)	STEL (ppm)	TWA (ppm)	STEL
Ethanol 70%		1,000	1,000	
Hydrogen Peroxide 3%	1		1	
Glycerin		10 mg/m <sup>3</sup> mist	15 mg/m <sup>3</sup> mist	

**Notes:** **STEL** Short term exposure limit related to a 15 minute period

**TWA** Time-weighted average reference of 8 hour time weighted

### **Additional Engineering Controls:**

<b>Engineering Measures:</b>	Showers Eyewash stations Ventilation systems
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection:</b>	Tightly fitting safety goggles.
<b>Skin and Body Protection:</b>	Protective gloves.
<b>Respiratory Protection:</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Provide regular cleaning of equipment, work area and clothing.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid

**Color:** Clear - opaque

**Odor:** Alcohol

**pH:** 6.3 - 8.5, 100 %

**Flash point:** 23 °C closed cup

**Odor Threshold:** no data available

**Melting point/freezing point:** no data available

**Initial boiling point and boiling range:** no data available

**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

**Relative density:** no data available

**Water solubility:** no data available  
**Solubility in other solvents:** no data available  
**Partition coefficient: n- octanol/water:** no data available  
**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

<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Carbon oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** When this product is used in a reasonable and expected manner, no significant adverse reactions should be expected. Some of the following data pertains to individual ingredients found in the final product.

**Likely routes of exposure are:** Inhalation, Eye contact, Skin contact

<b>Potential Health Effects</b>	
<b>Eyes:</b>	Causes serious eye irritation.
<b>Skin:</b>	Health injuries are not known or expected under normal use.
<b>Ingestion:</b>	Health injuries are not known or expected under normal use.
<b>Inhalation:</b>	Health injuries are not known or expected under normal use.
<b>Chronic Exposure:</b>	Health injuries are not known or expected under normal use.
<b>Experience with Human Exposure</b>	
<b>Eye contact:</b>	Redness, Pain, Irritation
<b>Skin contact:</b>	No symptoms known or expected. Dry skin may occur.
<b>Ingestion:</b>	No symptoms known or expected.
<b>Inhalation:</b>	No symptoms known or expected.
<b>Toxicity</b>	
<b>Acute oral toxicity:</b>	Acute toxicity estimate: > 5,000 mg/kg
<b>Acute inhalation toxicity:</b>	No data available
<b>Acute dermal toxicity:</b>	No data available
<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/eye irritation:</b>	No data available
<b>Respiratory or skin sensitization:</b>	No data available

<b>Carcinogenicity</b>	
<b>IARC:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>OSHA:</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP:</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>Reproductive effects:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>STOT-single exposure:</b>	The substance or mixture is not classified as specific target organ toxicant, single exposure.
<b>STOT-repeated exposure:</b>	No data available
<b>Aspiration toxicity:</b>	No data available

## **SECTION 12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	
<b>Environmental Effects:</b>	Harmful to aquatic life.
<b>Toxicity to fish: (ethanol)</b>	96 h LC50 Fish: 11,000 mg/l
<b>Toxicity to daphnia and other aquatic invertebrates:</b>	No data available
<b>Toxicity to algae:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bio accumulative potential:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Other adverse effects:</b>	No data available

## **SECTION 13. DISPOSAL CONSIDERATIONS**

<b>Disposal Methods</b>	
<b>Waste from residues:</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging:</b>	Dispose of as an unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## **SECTION 14. TRANSPORT INFORMATION**

The 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)** Consumer Commodity, ORM-D

**UN number:** 1170

**Description of the goods:** Ethanol solutions

**Class:** 3

**Packing group:** III

**Environmentally hazardous:** no

**Sea transport (IMDG/IMO)**

**UN number:** 1170

**Description of the goods:** Ethanol solution

**Class:** 3

**Packing group:** III

**Marine pollutant:** no

**Emergency response guide number:** 127

## **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 Substances Reportable Quantity** - This material does not contain any components with a section 304 EHS RQ.

<b>SARA 311/312 Hazards:</b>	Fire Hazard : Acute Health hazard
<b>SARA 302:</b>	No chemicals in this material are subject to reporting requirements of title III, Section 302
<b>SARA 313:</b>	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, 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:**

**1907/2006 (EU):** Not determined

**Switzerland. New notified substances and declared preparations:** Not determined

**United States TSCA Inventory:** On TSCA Inventory

**Canadian Domestic Substances List (DSL):** This product contains one or several components that are not on the Canadian DSL nor NDSL.

**Australia Inventory of Chemical Substances (AICS):** Not determined

**New Zealand. Inventory of Chemical Substances:** Not determined

**Japan. ENCS - Existing and New Chemical Substances Inventory:** Not determined

**Japan. ISHL - Inventory of Chemical Substances (METI):** Not determined

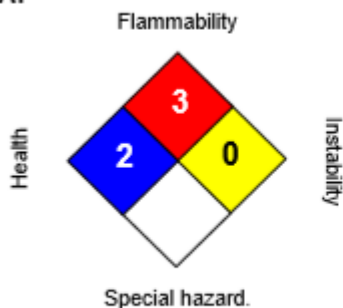
**Korea. Korean Existing Chemicals Inventory (KECI):** Not determined

**Philippines Inventory of Chemicals and Chemical Substances (PICCS):** Not determined

**China. Inventory of Existing Chemical Substances in China (IECSC):** Not determined

## **SECTION 16. OTHER INFORMATION**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

**Date of Latest Revision** 02 / April / 2020

The information provided in this 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.