

# Safety Data Sheet

according to the Globally Harmonized System

SDS # : XRCC PPP71

## Xerox Hand Sanitizer Ethanol 80%

Issuing Date 2020-04-03

Revision Date 2020-04-15

Version 1.03

**Active**

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Trade Name** Xerox Hand Sanitizer for Personal care  
Ethanol 80%

**Part no.** 008R08111, 008R08112, 008R08113, 008R08115, 008R08116,  
008R08117

**Color** Colorless  
**Synonyms** World Health Organization (WHO) Formula 1

**Identified uses** Personal use hand sanitizer

**Supplier** Xerox Research Centre of Canada  
2660 Speakman Drive  
Mississauga, ON L5K 2L1  
Phone: (905) 823-7091

**Manufactured by** Xerox Research Centre of Canada  
2660 Speakman Drive  
Mississauga, ON L5K 2L1  
Phone: (905) 823-7091

**Responsible/issuing person**  
**Contact person** EHS Department - Brent Bryant  
**Emergency telephone** Transportation Emergency: Contact CANUTEC at 1-888-CAN-UTEC (226-8832),  
613-996-6666 or \*666 on a cellular phone

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2A
Flammable liquids	Category 2

#### GHS Label elements, including precautionary statements



**Signal Word**

**Hazard Statements**



**Danger**

H224 - Extremely flammable liquid and vapor

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### Precautionary Statements

H319 - Causes serious eye irritation  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P102 - Keep out of reach of children  
P233 - Keep container tightly closed  
P240 - Ground/Bond container and receiving equipment  
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
P501 - Dispose of contents/container to an approved waste disposal plant

### Other hazards which do not result in classification

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Common Name

Xerox Hand Sanitizer Ethanol 80%

### Synonyms

World Health Organization (WHO) Formula 1

Chemical Name	CAS No.	Weight %	EC-No
Ethanol	64-17-5	75-85	Present
Water	7732-18-5	15-20	231-791-2
Glycerol	56-81-5	1-3	200-289-5
Hydrogen peroxide	7722-84-1	0-1	231-765-0

"--" indicates no classification or hazard statements apply.

## 4. FIRST AID MEASURES

### Description of necessary first-aid measures

**General advice** IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin contact** None under normal use.

**Inhalation** None under normal use.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.

### Most important symptoms/effects, acute and delayed

### Indication of immediate medical attention and special treatment needed, if necessary

#### Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Flash point

No information available (based on ethanol):  
16.6 °C / 61.88 °F

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### Suitable extinguishing media

**Suitable extinguishing media**

Use CO2, dry chemical, or foam.

**Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

### Specific hazards arising from the chemical

No information available

### Protective Equipment and Precautions for Firefighters

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

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions**

Avoid breathing vapors or mists. Heat, flames and sparks. Ensure adequate ventilation.

### Environmental Precautions

**Environmental Precautions**

Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment**

No information available

**Methods for cleaning up**

No information available.

Other information

**Other information**

See section 12 for additional ecological information.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling**

Avoid contact with eyes  
Keep away from heat, sparks and open flame. No smoking

### Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions**

Keep container tightly closed in a dry and well-ventilated place.

**Incompatible products**

No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Limits

**Product Information**

No acute toxicity information is available for this product

### Component Information

Chemical Name	ACGIH TLV	European Union	Japan
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Ethanol	STEL 1000 ppm		
Hydrogen peroxide	TWA: 1 ppm		

### Appropriate engineering controls

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment (PPE)

### Personal Protective Equipment

<b>General Information</b>	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.
<b>Respiratory protection</b>	No special protective equipment required
<b>Eye/Face protection</b>	Avoid contact with eyes If splashes are likely to occur, wear: Goggles
<b>Skin and body protection</b>	No special protective equipment required
<b>Hand protection</b>	No special protective equipment required

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Physical state</b>	Liquid
<b>Appearance</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Alcohol
<b>Odor threshold</b>	No information available

### Important health safety and environmental information

<b>pH</b>	7	
<b>Flash point</b>	(based on ethanol): 16.6 °C / 61.88 °F	
<b>Autoignition temperature</b>	No information available	
<b>Boiling point/range</b>	78.5 °C / 173.2 °F	
<b>Vapor pressure</b>	~50 mmHg @ 20-25 °C	
<b>Vapor density</b>	1.59	
<b>Water solubility</b>	Soluble in water	
<b>Partition coefficient</b>	No information available	
<b>Viscosity</b>	No information available	
<b>Specific gravity</b>	No information available	
<b>Density</b>	0.789 g/mL	
<b>Decomposition temperature</b>	No information available	
<b>Evaporation rate</b>	No information available	
<b>Flammability Limits in Air</b>	No information available	
<u>Other information</u>		
<b>Melting point/range</b>	No information available	
<b>Freezing point</b>	-114.1 °C / -173.4 °F	

## 10. STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use.

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### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to Avoid

Heat, flames and sparks. Take precautionary measures against static discharges.

### Materials to Avoid

No information available

### Hazardous Decomposition Products

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### **Product Information**

No acute toxicity information is available for this product

#### **Irritation**

Moderately irritating to the eyes

#### **Eyes**

No known effect

#### **Skin**

Prolonged or repeated contact may dry skin and cause irritation

#### **Inhalation**

No known effect

#### **Ingestion**

Not an expected route of exposure

Do not ingest

### Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Ethanol	7060 mg/kg ( Rat )		124.7 mg/L ( Rat ) 4 h
Glycerol	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Hydrogen peroxide	1518 mg/kg ( Rat )	9200 mg/kg ( Rabbit )	2000 mg/m <sup>3</sup> ( Rat ) 4 h

#### **Aggravated Medical Conditions**

None known

### Chronic toxicity

#### **Sensitization**

Not expected to cause skin sensitization

#### **Neurological Effects**

May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination

#### **Target organ effects**

No information available

### CMR Effects

Chemical Name	IARC	NTP
Ethanol	1	Known

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### **Component Information**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Ethanol		LC50 9268 - 14221 mg/L 48 h EC50 = 10800 mg/L 24 h EC50 = 2 mg/L 48 h	LC50 12.0 - 16.0 mL/L Oncorhynchus mykiss 96 h LC50 > 100 mg/L	

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			Pimephales promelas 96 h LC50 13400 - 15100 mg/L Pimephales promelas 96 h	
Glycerol		EC50 > 500 mg/L 24 h	LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h	
Hydrogen peroxide	2.5 mg/L EC50 72 h (Chlorella vulgaris)	EC50 18 - 32 mg/L 48 h EC50 = 7.7 mg/L 24 h	LC50= 16.4 mg/L Pimephales promelas 96 h LC50 18 - 56 mg/L Lepomis macrochirus 96 h LC50 10.0 - 32.0 mg/L Oncorhynchus mykiss 96 h	

### Chronic Aquatic Toxicity

No product level data available

### Mobility

Soluble in water

### Persistence and degradability

Readily biodegradable

### Bioaccumulative potential

BCF 3.16, Bioaccumulation is unlikely

Chemical Name	log Pow
Ethanol	-0.32
Glycerol	-1.76

### Other adverse effects

This product does not contain any known or suspected endocrine disruptors

## 13. DISPOSAL CONSIDERATIONS

### **Waste from Residues/Unused Products**

Dispose of in accordance with local regulations.

### **Contaminated packaging**

Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

### **Note**

Subject to regulation as noted below

### **IMDG/IMO**

UN/ID No UN1170  
Hazard class 3  
Subsidiary hazard class --  
Packing Group II

### **ICAO/IATA**

UN/ID No UN1170  
Hazard class 3  
Subsidiary hazard class --  
Proper shipping name Ethanol solution  
Packing Group II

### **DOT**

UN/ID No UN1170  
Hazard class 3  
Subsidiary Class --  
Packing Group II  
Proper shipping name Ethanol solution

### **TDG**

UN/ID No UN1170  
Hazard class 3  
Proper shipping name Ethanol solution  
Packing Group II

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## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Complies  
**DSL/NDSL** Complies

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### National regulatory information

Chemical Name	Australia - National Pollutant Inventory (NPI) Substance List		
Ethanol - 64-17-5	10 20 60000 1 25 400 2000		
Chemical Name	GB 12268-2005		
Ethanol 64-17-5	with >70% alcohol by volume; with >24% but not >70% alcohol by volume		
Hydrogen peroxide 7722-84-1	stabilized with >60% Hydrogen peroxide; aqueous solution with not <20% but not >60% Hydrogen peroxide (stabilized if necessary); aqueous solution with not <8% but <20% Hydrogen peroxide (stabilized if necessary) solid liquid; flammable; flashpoint not less than 23° C		
Chemical Name	Poisonous and Deleterious Substances Control Law		
Hydrogen peroxide	Deleterious -X		
Chemical Name	Restrictions on use	Threshold limits	
Ethanol - 64-17-5	Group		
Glycerol - 56-81-5	Group		
Hydrogen peroxide - 7722-84-1	Group		
Chemical Name	Toxic Chemicals Control Law	Toxic Release Inventory Chemicals - Group 1	Toxic Release Inventory Chemicals - Group 2
Hydrogen peroxide	97-1-2 *	Not applicable	>=1.0 % w/w
Chemical Name	Fire Safety (Petroleum and Flammable Materials) Regulations 2005 - Hazard Classes	Fire Safety (Petroleum and Flammable Materials) Regulations 2005 - Harmonized System Codes	Fire Safety (Petroleum and Flammable Materials) Regulations 2005 - Regulated Products
Ethanol - 64-17-5	3		SCDETH1170L2

## 16. OTHER INFORMATION

**Issuing Date** 2020-04-03  
**Revision Date** 2020-04-15  
**Revision Note** (M)SDS sections updated:, 9

#### Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

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