

# Safety Data Sheet

SDS #: D-40035

## Xerox Hand Sanitizer

Issuing Date 2020-03-23

Revision Date 2020-08-27

Version 1.04

**Active**

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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**Product Identifier**

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

**Part no.** 008R08111, 008R08112, 008R08113, 008R08115, 008R08116, 008R08117, 008R08132, 9311600, 502P11732

**Color** Colorless  
**Pure substance/mixture** Mixture  
**Synonyms** World Health Organization (WHO) Formula 1

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Personal use hand sanitizer

**Details of the supplier of the safety data sheet**

**Manufacturer** Xerox Corporation  
 Webster, NY 14580

**For further information, please contact**

**Contact person** Manager, Environment, Health, Safety & Sustainability  
**E-mail address** askxerox@xerox.com  
**Emergency telephone** Safety Information US: (800) 275-9376  
 Chemical Emergency only (Chemtrec) (800) 424-9300

**For the most current document** <https://safetysheets.business.xerox.com>

2. HAZARDS IDENTIFICATION
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**Classification of the substance or mixture**

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

**Label elements**

**Symbol(s)**



**Signal Word**

Danger

- Hazard Statements** H224 - Extremely flammable liquid and vapor  
H319 - Causes serious eye irritation
- Precautionary Statements** 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**  
No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Ethanol	64-17-5	75-85	Flam. Liq. 2 Eye Irrit 2	H225 H319
Water	7732-18-5	15-20	--	--
Glycerol	56-81-5	1-3	--	--
Hydrogen peroxide	7722-84-1	0-1	Acute Tox. 4 Skin Corr. 1A Ox. Liq. 1	H302 H314 H271

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

Full text of H- statements: see section 16

4. FIRST AID MEASURES

**Description of 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 and effects, both acute and delayed**

- Acute toxicity**
- 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

**Indication of immediate medical attention and special treatment needed**

**Protection of first-aiders** No special protective equipment required  
**Notes to physician** Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

**Suitable extinguishing media** Use CO2, dry chemical, or foam  
**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire

**Special hazards arising from the substance or mixture**

**Hazardous combustion products**  
 May emit toxic fumes under fire conditions

**Advice for fire-fighters**

Wear self-contained breathing apparatus and protective suit

**Other information**

**Flammability** Highly flammable  
**Flash point** (based on ethanol):  
 16.6 °C / 61.88 °F  
**Method** Closed cup

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

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

**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 cleaning up** Soak up with inert absorbent material

**Reference to other sections**

See section 12 for additional ecological information  
 See Section 13 for additional 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

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

**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

**Specific end uses**

Personal care

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Limits**

Chemical Name	ACGIH TLV	OSHA PEL
Ethanol	STEL 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Glycerol		TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Hydrogen peroxide	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

**Exposure controls**

**Engineering measures**

Ensure adequate ventilation, especially in confined areas

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

**Eye/Face protection**

Avoid contact with eyes, If splashes are likely to occur, wear: Goggles

**Hand protection**

No special protective equipment required

**Skin and body protection**

No special protective equipment required

**Respiratory protection**

No special protective equipment required.

**Environmental Exposure Controls**

**Environmental Exposure Controls**

Prevent product from entering drains

9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties (based on ethanol):**

<b>Appearance</b>	Liquid	<b>Odor</b>	Alcohol
<b>Physical state</b>	Liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	Colorless	<b>pH</b>	7
<b>Flash point</b>	(based on ethanol): 16.6 °C / 61.88 °F	<b>Method</b>	Closed cup
<b>Melting / Freezing Point</b>	-114.1 °C /		-173.4 °F
<b>Boiling point/range</b>	78.5 °C /		173.2 °F
<b>Softening point</b>			
<b>Evaporation rate</b>	No information available		
<b>Flammability</b>	Highly flammable		
<b>Flammability Limits in Air</b>	No information available		
<b>Vapor pressure</b>	~50 mmHg @ 20-25 °C		
<b>Vapor density</b>	1.59		
<b>Specific gravity</b>			
<b>Density</b>	0.789 g/mL		
<b>Water solubility</b>	Soluble in water		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>			
<b>Decomposition temperature</b>	Not determined		
<b>Viscosity</b>	No information available		
<b>Explosive properties</b>	Not explosive		
<b>Oxidizing properties</b>	Not applicable		

**Other information**

None

**10. STABILITY AND REACTIVITY**

**Reactivity**

No dangerous reaction known under conditions of normal use

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

**Hazardous reactions** None under normal processing  
**Hazardous polymerization** Hazardous polymerization does not occur

**Conditions to avoid**

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

**Incompatible Materials**

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**

**Information on toxicological effects**

**Acute toxicity**

**Product Information**

No acute toxicity information is available for this product  
**Irritation** Moderately irritating to the eyes

**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

**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**

**Mutagenic effects** Not expected to be mutagenic  
**Reproductive toxicity** No known effects under normal use conditions  
**Carcinogenicity** This product contains one or more substances which are classified by IARC as potential carcinogenic to humans. However, under normal use conditions there is no human exposure to these substances.

Chemical Name	IARC
Ethanol	1

**Other toxic effects**

**Aspiration Hazard** Not applicable

**11.2 Information on other hazards**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors

12. ECOLOGICAL INFORMATION

**Toxicity**

**Acute Aquatic Toxicity** No product level data available  
**Chronic Aquatic Toxicity** No product level data available

**Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Ethanol		LC50 12.0 - 16.0 mL/L Oncorhynchus mykiss 96 h LC50> 100 mg/L Pimephales promelas 96 h LC50 13400 - 15100 mg/L Pimephales promelas 96 h		LC50 9268 - 14221 mg/L 48 h EC50 = 10800 mg/L 24 h EC50 = 2 mg/L 48 h
Glycerol		LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h
Hydrogen peroxide	2.5 mg/L EC50 72 h (Chlorella vulgaris)	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		EC50 18 - 32 mg/L 48 h EC50 = 7.7 mg/L 24 h

**Persistence and degradability**

Readily biodegradable

**Bioaccumulative potential**

BCF 3.16  
Bioaccumulation is unlikely

**Mobility in soil**

Soluble in water

**Component Information**

Chemical Name	log Pow
Ethanol	-0.32
Glycerol	-1.76

**Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

**Endocrine disrupting properties**

This product does not contain any known or suspected endocrine disruptors

**Other adverse effects**

No information available

13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Methods** This material should be disposed of as a hazardous waste in the United States (D001 EPA code) and Canada. Waste may contain flammable liquid.

**Contaminated packaging** No special precautions are needed in handling this material

**California Waste Status**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Ethanol	Toxic Ignitable
Hydrogen peroxide	Toxic Corrosive Ignitable Reactive

**14. TRANSPORT INFORMATION**

Subject to regulation as noted below

Regulation	UN/ID No	Proper shipping name	Hazard class	Subsidiary hazard class	Packing Group	Exceptions
DOT	UN1170	Ethanol solution	3	--	II	--
ICAO/IATA	UN1170	Ethyl alcohol	3	--	II	--
IMDG/IMO	UN1170	Ethyl alcohol	3	--	II	--

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Canada**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

**International Inventories**

TSCA Complies

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

Chemical Name	CAS No.	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Glycerol	56-81-5	1-3		Group II		

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Hydrogen peroxide		1000 lb

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS No.	California Prop. 65

Ethanol	64-17-5	Carcinogen Developmental
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**U.S. State Right-to-Know Regulations**

This product is subject to U.S. State Right-to-know regulations as noted below.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethanol	X	X	X	X	
Water			X		
Glycerol	X	X	X		
Hydrogen peroxide	X	X	X		

16. OTHER INFORMATION

**Issuing Date** 2020-03-23  
**Revision Date** 2020-08-27  
**Revision Note** Part number 008R08132 added

**Full text of H-Statements referred to under sections 2 and 3**

- H225 - Highly flammable liquid and vapor
- H271 - May cause fire or explosion; strong oxidizer
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H319 - Causes serious eye irritation

**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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