Safety Data Sheet

SDS # : D-40035

Xerox Hand Sanitizer

Issuing Date 2020-03-23 **Revision Date** 2020-04-13 **Version** 1.02

Active

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

Product Identifier

Product Name

Xerox Hand Sanitizer for Personal care
Ethanol 80%

Part no. 008R08111, 008R08112, 008R08113, 008R08115, 008R08116, 008R08117, 9311600

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

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/m³
Glycerol		TWA: 15 mg/m³ TWA: 5 mg/m³
Hydrogen peroxide	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m³

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):

Appearance	Liquid	**Odor**	Alcohol
Physical state	Liquid	**Odor threshold**	No information available
Color	Colorless	**pH**	7

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

Melting / Freezing Point	-114.1 °C	/	-173.4 °F
Boiling point/range	78.5 °C	/	173.2 °F

Evaporation rate No information available
Flammability Highly flammable
Flammability Limits in Air No information available

Vapor pressure ~50 mmHg @ 20-25 °C
Vapor density 1.59
Specific gravity
Density 0.789 g/mL
Water solubility Soluble in water
Partition coefficient No information available
Autoignition temperature
Decomposition temperature Not determined
Viscosity No information available
Explosive properties Not explosive
Oxidizing properties 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/m³ (Rat) 1 h
Hydrogen peroxide	1518 mg/kg (Rat)	9200 mg/kg (Rabbit)	2000 mg/m³ (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	Ethanol solution	3	--	II	--
IMDG/IMO	UN1170	Ethanol solution	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

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 2020-04-13
Revision Note Part number 9311600 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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