

**SAFETY DATA SHEET**

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200) and Canada Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), as amended

SDS #: F-60062

**Liquid Ink Magenta**

Issuing Date 24-Jun-2025

Revision date 01-May-2026

Revision Number 4

**Restricted to professional users**

**1. Identification**

Product identifier

**Product Name**  
 Liquid Ink for Xerox® IJP900 Inkjet Press

**Part no.** 008R13354, 008R08168

Other means of identification

**Color** Magenta  
**Pure substance/mixture** Mixture  
**Synonyms** None

Recommended use of the chemical and restrictions on use

**Recommended use** Ink jet printing  
**Restrictions on use** No information available.

Details of the supplier of the safety data sheet

**Supplier Address**

Xerox Corporation  
 800 Phillips Rd  
 Webster, NY 14580

Xerox Canada Ltd  
 2 Sheppard Ave. East, Suite 1200  
 Toronto, Ontario M2N 5Y7

Emergency telephone number

**Initial supplier phone number** 1-800-275-9376 (U.S. & Canada)  
**Emergency Telephone** Safety Information US: (800) 275-9376  
 Chemical Emergency only (Chemtrec) (800) 424-9300  
**E-mail address** askxerox@xerox.com

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

**2. Hazard(s) identification**

**Classification**

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1A
Reproductive toxicity	Category 1B

**Label elements**

Danger

**Hazard statements**

Causes serious eye irritation.  
 May cause an allergic skin reaction.  
 May damage fertility or the unborn child.

**Precautionary Statements - Prevention**

Wash hands thoroughly after handling.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Wear protective gloves, protective clothing, eye protection and face protection.  
 Avoid breathing dust, fume, gas, mist, vapors and spray.  
 Contaminated work clothing must not be allowed out of the workplace.

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention.

**Eyes**

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 and attention.

**Skin**

IF ON SKIN: Wash with plenty of water.  
 If skin irritation occurs: Get medical advice and attention.

**Precautionary Statements - Storage**

Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Other information**

Causes mild skin irritation.

**Special Note**

Contains a chemical that can cause an allergic reaction in susceptible people

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

Chemical name	CAS No.	Weight-%	GHS Classification
Water	7732-18-5	30-40	-
Polyhydric alcohol	Trade secret	15-25	Eye Irrit. 2 (H319)
Triethylene glycol, monobutyl ether	143-22-6	5-15	Eye Dam. 1 (C ≥ 30 %) (H318) Eye Irrit. 2 (20 % ≤ C < 30 %) (H319)
Magenta pigment	Trade secret	1-10	-
2-Pyrrolidone	616-45-5	<4	Eye Irrit 2 (C ≥ 10 %) (H319) Repro Tox 1B (C ≥ 3 %) (H360)
Glycerin	56-81-5	1-3	-
Acrylate - based copolymer	Trade secret	1-2	-
1,2-Benzisothiazolin-3-one	2634-33-5	<0.036	Acute Tox. 2/inhal.(ATE = 0.21 mg/L, dusts or mists) (H330) Acute Tox. 4/oral (ATE = 450 mg/kg bw) (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1A (C ≥ 0.036 %) (H317) Aquatic Acute 1 (M = 1) (H400) Aquatic Chronic 1 (M = 1) (H410)
2-methyl-2H-isothiazol-3-one	2682-20-4	<0.01	Acute Tox. 3 (oral) (H301) Acute Tox. 3 (dermal) (H311) Acute Tox. 2 (inhalation) (H330) Skin corr. 1B (H314) Eye Dam. 1 (H318) Skin sens. 1A (C ≥ 0.0015 %) (H317) Aquatic Acute 1 (M=10) (H400) Aquatic Chronic 1 (M=1) (H410)

**Full text of H- and EUH-phrases: see section 16**

**Note**

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

## 4. First-aid measures

### Description of first aid measures

**General advice**

For external use only. Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.

**Inhalation**

Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

**Skin contact**

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation develops and persists.

**Ingestion** Clean mouth with water. If possible drink milk afterwards. Consult a physician if necessary. Do NOT induce vomiting.

#### **Most important symptoms and effects, both acute and delayed**

**Symptoms** Prolonged contact may cause redness and irritation.

**Effects of Exposure** No information available.

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

**Note to physicians** Treat symptomatically.

### **5. Fire-fighting measures**

**Suitable Extinguishing Media** Use water spray or fog; do not use straight streams.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** Do not allow run-off from fire-fighting to enter drains or water courses.

**Hazardous combustion products** Thermal decomposition can lead to release of irritating gases and vapors.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Wear self contained breathing apparatus for fire fighting if necessary.

### **6. Accidental release measures**

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

#### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. Keep out of drains, sewers, ditches and waterways.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections** See section 8 for more information  
See section 13 for more information

## 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin and eyes. Do not ingest. If swallowed then seek immediate medical assistance.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

## 8. Exposure controls/personal protection

### Control Parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Glycerin	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-

Chemical name	Alberta	British Columbia	Ontario	Quebec
Glycerin	TWA: 10 mg/m <sup>3</sup> ;	TWA: 10 mg/m <sup>3</sup> ; TWA: 3 mg/m <sup>3</sup> ; respirable	-	TWAEV: 10 mg/m <sup>3</sup> ; mist

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
Glycerin	TWA: 10 mg/m <sup>3</sup> ; STEL: 20 mg/m <sup>3</sup> ;		TWA: 10 mg/m <sup>3</sup> ; mist STEL: 20 mg/m <sup>3</sup> ; mist	TWA: 30 mppcf; mist TWA: 10 mg/m <sup>3</sup> ; mist

### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Appropriate engineering controls

#### Engineering controls

Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear suitable gloves.
<b>Skin and body protection</b>	Wear suitable protective clothing.
<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>Environmental exposure controls</b>	Do not allow into any sewer, on the ground or into any body of water.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Thermal hazards</b>	None under normal processing.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Color</b>	Magenta
<b>Odor (includes odor threshold)</b>	Slight

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	Not applicable	None known
<b>Boiling point (or initial boiling point or boiling range)</b>	Not applicable	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	Not flammable	
<b>Lower flammability or explosive limits</b>	Not flammable	
<b>Flash point</b>	> 100 °C / 212.0 °F	Cleveland Open Cup
<b>Autoignition temperature</b>	Not applicable	None known
<b>Decomposition temperature</b>	Not applicable	None known
<b>SADT (°C)</b>	No data available	None known
<b>pH</b>	8 - 9	@ 25 °C
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	5 - 10	None known
<b>Dynamic viscosity</b>	Not applicable	None known
<b>Solubility</b>	No data available	None known
<b>Water solubility</b>	Miscible in water	None known
<b>Partition coefficient n-octanol/water (log value)</b>	Not applicable	None known
<b>Vapor pressure (includes evaporation rate)</b>	Not applicable	None known
<b>Evaporation rate</b>	Not applicable	None known
<b>Density and/or relative density</b>	Not applicable	None known
<b>Bulk density</b>	Not applicable	
<b>Liquid Density</b>	Not applicable	
<b>Relative vapor density</b>	Not applicable	None known
<b>Particle characteristics</b>		None known
<b>Particle Size</b>	No data available	
<b>Particle Size Distribution</b>	No data available	

### Other information

<b>VOC content</b>	No data available
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**Softening point** Not determined

**Information with regard to physical hazard classes**

Explosive properties Not applicable

## 10. Stability and reactivity

**Reactivity** No dangerous reaction known under conditions of normal use.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** Extremes of temperature and direct sunlight.

**Incompatible materials** Alkali. Metals. Peroxides.

**Hazardous decomposition products** Undefined, but may include toxic oxides of carbon and nitrogen.

## 11. Toxicological information

**Note:** The toxicity data noted below is based on the test results of similar reprographic materials.

### Information on likely routes of exposure

#### Product Information

**Inhalation** No known effects under normal use conditions.

**Eye contact** Causes eye irritation.

**Skin contact** Causes mild skin irritation.

**Ingestion** Not an expected route of exposure.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Prolonged contact may cause redness and irritation.

**Acute toxicity** .

### Numerical measures of toxicity

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water	> 90 mL/kg ( Rat )	-	-
Triethylene glycol, monobutyl ether	= 5300 mg/kg ( Rat )	= 3540 mg/kg ( Rabbit )	-
Magenta pigment	> 23 g/kg ( Rat )	> 3000 mg/kg ( Rabbit )	> 3.055 mg/L ( Rat ) 4 h
2-Pyrrolidone	6500 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 80 ppm ( Rat ) 8 h

Glycerin	= 27200 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 5.85 mg/L ( Rat ) 4 h
1,2-Benzisothiazolin-3-one	= 1020 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
2-methyl-2H-isothiazol-3-one	232 - 249 mg/kg ( Rat ) = 120 mg/kg ( Rat )	= 200 mg/kg ( Rabbit )	= 0.11 mg/L ( Rat ) 4 h

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Classification based on data available for ingredients. Causes mild skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	Not mutagenic in AMES Test.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity</b>	Contains a known or suspected reproductive toxin.
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Other adverse effects</b>	Although liquid ink is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways.

## 12. Ecological information

**Ecotoxicity** Not considered to be harmful to aquatic life.  
Do not allow into any sewer, on the ground or into any body of water

### Aquatic ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Polyhydric alcohol	-	LC50: >100mg/L (96h, <i>Oryzias latipes</i> )	-	-
Triethylene glycol, monobutyl ether	EC50: >500mg/L (72h, <i>Desmodesmus subspicatus</i> )	LC50: =2400mg/L (96h, <i>Pimephales promelas</i> )	-	EC50: >500mg/L (48h, <i>Daphnia magna</i> )
2-Pyrrolidone	EC50: =250mg/L (72h, <i>Desmodesmus subspicatus</i> ) EC50: =84mg/L (96h, <i>Desmodesmus subspicatus</i> )	LC50: 4600 - 10000mg/L (96h, <i>Brachydanio rerio</i> )	-	-
Glycerin	-	LC50: 51 - 57mL/L (96h,	-	-

		Oncorhynchus mykiss)		
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**Terrestrial ecotoxicity** Based on available data, the classification criteria are not met.

**Persistence and degradability** Not readily biodegradable.

**Bioaccumulative potential**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Polyhydric alcohol	0.03	-	-
Triethylene glycol, monobutyl ether	0.51	-	-
Magenta pigment	2.2	-	-
2-Pyrrolidone	-0.71	-	-
Glycerin	-1.75	-	-
1,2-Benzisothiazolin-3-one	0.99	-	-
2-methyl-2H-isothiazol-3-one	-0.26	-	-

**Mobility in soil** The product is insoluble and floats on water.

**Other adverse effects** No information available.

**Endocrine disrupting properties** This mixture does not contain any substance that has endocrine disrupting properties with respect to non-target organisms.

### 13. Disposal considerations

**Disposal methods**

**Waste from residues/unused products** Can be landfilled or incinerated, when in compliance with local regulations.

**Contaminated packaging** Dispose of contents/containers in accordance with local regulations.

**Other information** Although liquid ink is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways. Do Not Pour Product Down the Drain; Do Not Rinse the Container Before Disposal.

### 14. Transport information

**Note:** This material is not subject to regulation as a hazardous material for shipping

**DOT** Not regulated

IATA Not regulatedIMDG Not regulated**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations****The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable**The Stockholm Convention on Persistent Organic Pollutants** Not applicable**The Rotterdam Convention** Not applicable**International Inventories****TSCA** Listed / Active or Exempt.

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Water	7732-18-5	Present	Active
Polyhydric alcohol	-	Present	Active
Triethylene glycol, monobutyl ether	143-22-6	Present	Active
Magenta pigment	-	Present	Active
2-Pyrrolidone	616-45-5	Present	Active
Glycerin	56-81-5	Present	Active
Acrylate - based copolymer	-	-	Unknown *
1,2-Benzisothiazolin-3-one	2634-33-5	Present	Active
2-methyl-2H-isothiazol-3-one	2682-20-4	Present	Active

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements.

<b>DSL/NDSL</b>	Complies.
<b>EINECS/ELINCS</b>	Complies.
<b>ENCS</b>	Complies.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.
<b>PICCS</b>	Contact supplier for inventory compliance status.
<b>AIIC</b>	Contact supplier for inventory compliance status.
<b>NZIoC</b>	Contact supplier for inventory compliance status.
<b>TCSI</b>	Contact supplier for inventory compliance status.

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing Chemicals Inventory**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

**TCSI** - Taiwan Chemical Substance Inventory

### US 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.

Chemical name	SARA 313 - Threshold Values %
Triethylene glycol, monobutyl ether	1.0

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (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).

#### **CAA (Clean Air Act)**

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### US State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **U.S. State Right-to-Know Regulations**

Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water	-	-	X
Triethylene glycol, monobutyl ether	X	-	X
2-Pyrrolidone	-	X	X
Glycerin	X	X	X

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## **16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 2	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 2 *	<b>Flammability</b> 1	<b>Physical hazards</b> 0	<b>Personal protection</b> X
<b>Chronic Hazard Star Legend</b>		* = Chronic Health Hazard		

**Key or legend to abbreviations and acronyms used in the safety data sheet**

List may include phrases which are not applicable to this product

**Full text of H-Statements referred to under section 3**

H301 - Toxic if swallowed  
 H302 - Harmful if swallowed  
 H311 - Toxic in contact with skin  
 H314 - Causes severe skin burns and eye damage  
 H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H330 - Fatal if inhaled  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organization for Standardization
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NTP	National Toxicology Program (United States)
NZIoC	New Zealand Inventory of Chemicals

OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
OSHA	Occupational Safety and Health Administration of the US Department of Labor
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

**Key literature references and sources for data used to compile the SDS**

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AELG(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
United Nations World Health Organization (WHO)

**Revision date** 01-May-2026

**Revision Note** Part number 008R08168 added. SDS sections updated. 9.

**Disclaimer**

**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.**

**End of Safety Data Sheet**