

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: UK REACH Regulations (SI 2019/758 as amended)

SDS # : F-60047

Aqueous Ink - Black

Issuing Date 22-Feb-2021

Revision date 11-Aug-2026

Revision Number 2

United Kingdom**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product Name Aqueous Ink for Xerox® Rialto® 900 Inkjet Press, Xerox® Brenva® HD
Production Inkjet Press
Part no. 008R13307

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Ink jet printing For professional use only

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet**Supplier**

Xerox Ltd.
Uxbridge Business Park
Building 4
Sanderson Road
Uxbridge
Middlesex. UB8 1DH, UK

For further information, please contact

Contact Point Manager, Environment, Health, Safety & Sustainability

E-mail address ehs-europe@xerox.com

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

1.4. Emergency telephone number

Emergency Telephone +44 1235 239670

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

GB CLP (SI 2020/1567 as amended)

Not classified

2.2. Label elements

Not classified

Hazard statements

Not classified.

EUH208 Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

2.3. Other hazards**Other hazards**

Contains biocide(s).

PBT and vPvB assessment

The product does not contain any substance(s) classified as PBT or vPvB.

Special Note

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

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Chemical name	Weight-%	CAS No.	EC No (EU Index No)	Classification according to GB CLP (SI 2020/1567 as amended)	UK REACH registration number
Water	50-75	7732-18-5	231-791-2	-	-
Glycerin	15-25	56-81-5	200-289-5	-	-
Carbon black	5-10	1333-86-4	215-609-9	-	-
2-Pyrrolidone	<3	616-45-5	210-483-1	Eye Irrit 2 (C ≥ 10 %) (H319) Repro Tox 1B (C ≥ 3 %) (H360)	-
Polyurethane Polymer	<2	Proprietary	Not Listed	-	-
Acrylic polymer	<0.5	Proprietary	Not Listed	-	-
Polyethylene glycol, (C12-C15) alkyl ethers	<1	68131-39-5	500-195-7	Skin Irrit 2 (H315) Eye Dam 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	-
1,2-Hexanediol	<1	6920-22-5	230-029-6	Eye Irrit. 2 (H319)	-
1,2-Benzisothiazolin-3-one	<0.036	2634-33-5	220-120-9	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)	
--	--	--	--	-------------------------------------	--

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

Note

"-" indicates no classification or hazard statements apply.

Where no REACH registration number is listed, it is considered confidential to the Only Representative.

Components marked as "Not Listed" are exempt from registration.

Acute Toxicity Estimate

In the absence of LD50/LC50 data, the conversion value (converted acute toxicity point estimate) may be indicated here; please note that these values do not represent test results

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Water	89838.9	No data available	No data available	No data available	No data available
Glycerin	27200	10000	5.85	No data available	No data available
Carbon black	10000	2000	0.0046	No data available	No data available
2-Pyrrolidone	328	2000	No data available	No data available	No data available
Polyethylene glycol, (C12-C15) alkyl ethers	1600	2500	No data available	No data available	No data available
1,2-Benzisothiazolin-3-one	450 + 1020	2000	No data available	No data available	No data available

+ This value is the harmonised acute toxicity estimate (ATE) listed in GB CLP Annex VI, Part 3. This harmonised ATE value must be used when calculating the acute toxicity estimate (ATE_{mix}) for classifying a mixture containing the listed substance

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	For external use only. Get medical attention if irritation or other symptoms occur. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. If symptoms persist, call a doctor.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water.
Ingestion	Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	Prolonged contact may cause redness and irritation.
Effects of Exposure	No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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.

5.2. Special hazards arising from the substance or mixture

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

Hazardous combustion products No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters In case of fire: Wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. 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 labelled containers. Clean contaminated surface thoroughly.

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

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Specific use(s)
Ink jet printing.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
Glycerin	TWA: 10 mg/m ³ STEL: 30 mg/m ³
Carbon black	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³

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

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Carbon black			1 mg/m ³ [4] [6]
2-Pyrrolidone		4.2 mg/kg bw/day [4] [6]	29.62 mg/m ³ [4] [6]
Tripropylene glycol, n-butyl ether		238 mg/kg bw/day [4] [6]	420 mg/m ³ [4] [6]
1,2-Hexanediol		17.5 mg/kg bw/day [4] [6]	123 mg/m ³ [4] [6]
Dipropylene glycol		84 mg/kg bw/day [4] [6]	238 mg/m ³ [4] [6]
Polypropylene glycol monobutyl ether		0.83 mg/kg bw/day [4] [6]	2.9 mg/m ³ [4] [6]
1,2-Benzisothiazolin-3-one		0.966 mg/kg bw/day [4] [6]	6.81 mg/m ³ [4] [6]

Notes

[4] Systemic health effects.
[6] Long term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Carbon black			0.06 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
2-Pyrrolidone	0.67 mg/kg bw/day [4] [6]		1.985 mg/m ³ [4] [6]
Tripropylene glycol, n-butyl ether	36 mg/kg bw/day [4] [6]		124 mg/m ³ [4] [6]
1,2-Hexanediol	8.8 mg/kg bw/day [4] [6]		30 mg/m ³ [4] [6]
Dipropylene glycol	24 mg/kg bw/day [4] [6]		70 mg/m ³ [4] [6]
Polypropylene glycol monobutyl ether	0.42 mg/kg bw/day [4] [6] 2.5 mg/kg bw/day [4] [7]		
1,2-Benzisothiazolin-3-one			1.2 mg/m ³ [4] [6]

Notes

[4]	Systemic health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Propylene glycol	260 mg/L	183 mg/L	26 mg/L		
Carbon black	50 mg/L				
2-Pyrrolidone	0.5 mg/L	5 mg/L	0.05 mg/L		
Tripropylene glycol, n-butyl ether	0.564 mg/L	5.64 mg/L	0.0564 mg/L		
Polyethylene glycol, (C12-C15) alkyl ethers	0.00225 mg/L	0.000311 mg/L	0.000225 mg/L	0.0000311 mg/L	
Dipropylene glycol	313 mg/kg food 0.1 mg/L	1 mg/L	313 mg/kg food 0.01 mg/L		
Polypropylene glycol monobutyl ether	0.333 mg/L	3.33 mg/L	0.0333 mg/L		
1,2-Benzisothiazolin-3-one	4.03 µg/L	1.1 µg/L	0.403 µg/L	110 ng/L	

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Propylene glycol	572 mg/kg sediment dw	57.2 mg/kg sediment dw	20000 mg/L	50 mg/kg soil dw	
2-Pyrrolidone	2.17 mg/kg sediment dw	0.217 mg/kg sediment dw	10 mg/L	0.14 mg/kg soil dw	
Tripropylene glycol, n-butyl ether	2.59 mg/kg sediment dw	0.259 mg/kg sediment dw	100 mg/L	0.188 mg/kg soil dw	
Polyethylene glycol, (C12-C15) alkyl ethers	0.0531 mg/kg sediment dw	0.00531 mg/kg sediment dw	0.2 mg/L	0.0093 mg/kg soil dw	
Dipropylene glycol	0.238 mg/kg sediment dw	0.0238 mg/kg sediment dw	1000 mg/L	0.0253 mg/kg soil dw	
Polypropylene glycol monobutyl ether	5.02 mg/kg sediment dw	0.502 mg/kg sediment dw	100 mg/L	0.809 mg/kg soil dw	
1,2-Benzisothiazolin-3-one	49.9 µg/kg sediment dw	4.99 µg/kg sediment dw	1.03 mg/L	3 mg/kg soil dw	

8.2. Exposure controls

Engineering controls	None under normal use conditions.
<u>Personal protective equipment</u>	
Eye/face protection	If splashes are likely to occur, wear safety glasses with side-shields.
Hand protection	Protective gloves.
Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Thermal hazards	None under normal processing.
Environmental exposure controls	Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Opaque
Colour	Black
Odour	Slight.
Odour threshold	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	Not applicable	None known
Initial boiling point and boiling range	Not applicable	None known
Flammability	Not flammable	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	Not applicable	
Lower flammability or explosive limits	Not applicable	
Flash point	> 100 °C	None known
Autoignition temperature	Not applicable	None known
Decomposition temperature	Not applicable	None known
pH	8.2 - 9.5	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	Not applicable	None known
Dynamic viscosity	Not applicable	None known
Water solubility	Dispersible	None known
Solubility(ies)	No data available	None known
Partition coefficient	Not applicable	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	Not applicable	
Liquid Density	1.09 g/cm3	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

Explosive properties	Not applicable
Oxidising properties	No information available

9.2. Other information

Softening point	Not applicable
VOC content	None

SECTION 10: Stability and reactivity**10.1. Reactivity**

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

10.2. Chemical stability

Stability	Stable under normal conditions.
-----------	---------------------------------

Explosion data

Sensitivity to mechanical impact	None.
----------------------------------	-------

Sensitivity to static discharge	None.
---------------------------------	-------

10.3. Possibility of hazardous reactions

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

Hazardous polymerisation	Hazardous polymerisation does not occur.
--------------------------	--

10.4. Conditions to avoid

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

10.5. Incompatible materials

Incompatible materials	None known based on information supplied.
------------------------	---

10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal use conditions.
----------------------------------	-----------------------------------

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

Inhalation	May cause irritation of respiratory tract.
------------	--

Eye contact	May cause irritation.
-------------	-----------------------

Skin contact	May cause irritation.
--------------	-----------------------

Ingestion	No hazard from product as supplied.
-----------	-------------------------------------

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms None known.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	45,795.30 mg/kg
ATEmix (dermal)	14,141.10 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapour)	99,999.00 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water	> 90 mL/kg (Rat)	-	-
Glycerin	= 27200 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 5.85 mg/L (Rat) 4 h
Carbon black	> 10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 4.6 mg/m ³ (Rat) 4 h
2-Pyrrolidone	6500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 80 ppm (Rat) 8 h
Polyethylene glycol, (C12-C15) alkyl ethers	= 1600 mg/kg (Rat)	= 2500 mg/kg (Rabbit)	-
1,2-Benzisothiazolin-3-one	= 1020 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Not mutagenic in AMES Test.

Carcinogenicity Carbon Black is classified by IARC (International Agency for Research on Cancer) as "possibly carcinogenic to humans" when present as "airborne, unbound particles of respirable size." This classification does not apply to liquid inks.

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard	Based on available data, the classification criteria are not met.
Neurological effects	No information available.
Other adverse effects	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.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Not considered to be harmful to aquatic life.

Chronic Aquatic Toxicity On available data, substance is not harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerin	-	LC50: 51 - 57mL/L (96h, <i>Oncorhynchus mykiss</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>)	-	-

12.2. Persistence and degradability

Persistence and degradability No product level data available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Glycerin	-1.75
2-Pyrrolidone	-0.71
1,2-Hexanediol	0.58
1,2-Benzisothiazolin-3-one	0.99

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Glycerin	Not PBT/vPvB
Carbon black	Not PBT/vPvB
2-Pyrrolidone	Not PBT/vPvB
Polyethylene glycol, (C12-C15) alkyl ethers	Not PBT/vPvB

1,2-Hexanediol	Not PBT/vPvB
1,2-Benzisothiazolin-3-one	Not PBT/vPvB

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Dispose of contents/containers in accordance with local regulations.
Other information	Do Not Pour Product Down the Drain; Do Not Rinse the Container Before Disposal. 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.

SECTION 14: Transport information

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

IATA

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated

14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

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

National regulations

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH (SI 2015/483 as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
1,2-Benzisothiazolin-3-one	Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 6: Preservatives for products during storage Product-type 9: Fibre, leather, rubber and polymerised materials preservatives Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 13: Working or cutting fluid preservatives

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons and Explosive Precursors

Not applicable

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status

NZIoC
TCSI

Contact supplier for inventory compliance status
Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - 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

15.2. Chemical safety assessment**Chemical Safety Report**

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed
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
H360 - May damage fertility or the unborn child
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitisers		

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method

Acute inhalation toxicity - dust/mist	On basis of test data
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	On basis of test data
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

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)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(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)
Australian 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 11-Aug-2026

Revision Note SDS sections updated. 2.

This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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

UK SDS version information - XGHS

UL release:

GHS Revision 7

2024 Q3

United Kingdom

Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed 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 H360 - May damage fertility or the unborn child H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects H412 - Harmful to aquatic life with long lasting effects

Chemical name	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)
2-Pyrrolidone	Eye Irrit 2 (C ≥ 10 %) (H319) Repro Tox 1B (C ≥ 3 %) (H360)	
Polyethylene glycol, (C12-C15) alkyl ethers	Skin Irrit 2 (H315) Eye Dam 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	
1,2-Hexanediol	Eye Irrit. 2 (H319)	
1,2-Benzisothiazolin-3-one	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)	Skin Sens. 1 :: C>=0.05%