

# Safety Data Sheet

SDS # : D-40024

## Cleaning Fluid

Issuing Date 2016-10-06

Revision Date 2018-10-24

Version 2

**Active**

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

**Product Identifier**

**Product Name**  
**Cleaning Fluid** for **Xerox Products**

**Part no.** 042N00157

**Color** Colorless  
**Pure substance/mixture** Mixture

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

**Recommended Use** Ink jet printing

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

**Supplier** 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**

Not classified

**Label elements**

**Symbol(s)** None required  
**Signal Word** None required  
**Hazard Statements** None required  
**Precautionary Statements** None required

**Other hazards**

Repeated contact may cause allergic reactions in very susceptible persons

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Classification (Reg.)	Hazard Statements
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			1272/2008)	
Water	7732-18-5	>50	--	--
Glycerin	56-81-5	20-30	--	--
Diethylene glycol	111-46-6	10-20	Acute Tox. 4	H302
Butyl carbitol	112-34-5	3-5	Eye Irrit. 2	H319
Triethanolamine	102-71-6	<1	--	--
1,2-Benzisothiazolin-3-one	2634-33-5	<0.05	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1	H302 H315 H318 H317 H400

"--" 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, also under the eyelids, Get medical attention immediately if irritation persists
- Skin contact** Rinse skin with water/shower, Get medical attention if irritation develops and persists
- Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing, If symptoms persist, call a physician
- Ingestion** Rinse mouth, If swallowed, call a poison control center or doctor immediately

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

- Acute toxicity**
- Eyes** May cause slight irritation
- Skin** May cause sensitization of susceptible persons
- Inhalation** No information available
- Ingestion** No information available

**Chronic toxicity** Repeated contact may cause allergic reactions in very susceptible persons

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

- Protection of first-aiders** No special protective equipment required
- Notes to physician** Contains a chemical that can cause an allergic reaction in susceptible people

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

- Suitable extinguishing media** Water spray or fog, Foam, Carbon dioxide (CO<sub>2</sub>)
- 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**

No information available

**Advice for fire-fighters**

Wear self-contained breathing apparatus and protective suit

**Other information**

- Flash point** No information available

**6. ACCIDENTAL RELEASE MEASURES**

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

Avoid contact with the skin and the eyes, Use personal protective equipment, Ensure adequate ventilation, For personal protection see section 8

**Environmental precautions**

No special environmental precautions required

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

**Methods for containment** Prevent entry into waterways, sewers, basements or confined areas  
**Methods for cleaning up** Soak up with inert absorbent material, Pick up and transfer to properly labeled containers

**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** When using, do not eat, drink or smoke, For personal protection see section 8

**Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions** Keep tightly closed in a dry and cool place, Protect from sunlight and store in well-ventilated place

**Incompatible products** No information available

**Specific end uses**

Ink jet printing

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits**

Chemical Name	ACGIH TLV	OSHA PEL
Glycerin		TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Butyl carbitol	TWA: 10 ppm	
Triethanolamine	TWA: 5 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:, Safety glasses with side-shields  
**Hand protection** Protective gloves  
**Skin and body protection** No special protective equipment required  
**Respiratory protection** No special protective equipment required.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Appearance</b>	Aqueous solution	<b>Odor</b>	Slight
<b>Physical state</b>	Liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	Colorless	<b>pH</b>	7-9
<b>Flash point</b>	No information available		
<b>Boiling point/range</b>	No information available		
<b>Evaporation rate</b>	No information available		
<b>Flammability Limits in Air</b>	No information available		
<b>Vapor pressure</b>	No information available		
<b>Vapor density</b>	No information available		
<b>Specific gravity</b>	1.1		
<b>Water solubility</b>	Soluble in water		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	No information available		
<b>Decomposition temperature</b>	Not determined		
<b>Viscosity</b>	2-4 mPa.s		
<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**

<b>Hazardous reactions</b>	None under normal processing
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur

**Conditions to avoid**

Extremes of temperature and direct sunlight

**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

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Glycerin	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Diethylene glycol	12565 mg/kg ( Rat )	11890 mg/kg ( Rabbit )	
Butyl carbitol	5660 mg/kg ( Rat )	2700 mg/kg ( Rabbit )	
Triethanolamine	4190 mg/kg ( Rat )	20 mL/kg ( Rabbit ) 16 mL/kg ( Rat )	
1,2-Benzisothiazolin-3-one	1020 mg/kg ( Rat )		

**Chronic toxicity**

**Sensitization** Contains a chemical that can cause an allergic reaction in susceptible people  
**Neurological Effects** No information available  
**Target organ effects** No information available

**CMR Effects**

**Mutagenic effects** No information available  
**Reproductive toxicity** No information available  
**Carcinogenicity** Contains no ingredient listed as a carcinogen

**Other toxic effects**

**Aspiration Hazard** Not applicable

**12. ECOLOGICAL INFORMATION**

**Toxicity**

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

**Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Glycerin		LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h
Diethylene glycol		LC50= 75200 mg/L Pimephales promelas 96 h		EC50 = 84000 mg/L 48 h
Butyl carbitol	100 mg/L EC50 96 h (Desmodesmus subspicatus)	LC50= 1300 mg/L Lepomis macrochirus 96 h		EC50 > 100 mg/L 48 h EC50 = 2850 mg/L 24 h
Triethanolamine	216 mg/L EC50 72 h (Desmodesmus subspicatus) 169 mg/L EC50 96 h (Desmodesmus subspicatus)	LC50 10600 - 13000 mg/L Pimephales promelas 96 h LC50> 1000 mg/L Pimephales promelas 96 h LC50 450 - 1000 mg/L Lepomis macrochirus 96 h		EC50 = 1386 mg/L 24 h

**Persistence and degradability**

Not readily biodegradable

**Bioaccumulative potential**

Bioaccumulation is unlikely

**Mobility in soil**

Soluble in water

**Component Information**

Chemical Name	log Pow
Glycerin	-1.76
Diethylene glycol	-1.98
Triethanolamine	-2.53

1,2-Benzisothiazolin-3-one	1.3
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**Other adverse effects**

Presents little or no hazard to the environment

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging**

No special precautions are needed in handling this material

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

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

**OSHA Regulatory Status**

This material is not 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:

Chemical Name	CAS No.	SARA 313 - Threshold Values %
Butyl carbitol	112-34-5	1.0

**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 substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS No.	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Glycerin	56-81-5	20-30		Group II		
Diethylene glycol	111-46-6	10-20		Group I		
Butyl carbitol	112-34-5	3-5	Present	Group I		
Triethanolamine	102-71-6	<1		Group I		

**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**

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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Water			X		
Glycerin	X	X	X		
Diethylene glycol			X		
Butyl carbitol		X	X	X	
Triethanolamine	X	X	X		

16. OTHER INFORMATION

**Issuing Date** 2016-10-06  
**Revision Date** 2018-10-24  
**Revision Note** Modified Trade name  
**Full text of H-Statements referred to under sections 2 and 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
- H400 - Very toxic to aquatic life

**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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