

# Safety Data Sheet

according to the Globally Harmonised System

SDS # : D-40027

## Formula A Cleaner

Issuing Date 2017-02-22

Revision Date 2023-04-20

Version 8

**Active**

**European Version Only**

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

#### 1.1 Product Identifier

**Product Name** **Formula A Cleaner** for Xerox Products  
**Part no.** 043P00048  
**UFI** RN10-60HG-Y00Y-8WEM

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

**Recommended Use** Cleaner / Solvent

#### 1.3 Details of the supplier of the safety data sheet

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

#### For further information, please contact

**Contact person** Manager, Environment, Health, Safety  
 & Sustainability  
**Phone** ++44 (0)1707 353434  
**Fax** -  
**E-mail address** ehs-europe@xerox.com

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

#### 1.4 Emergency telephone

+44 1865 407333

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

The product is classified and labelled in accordance with Regulation (EC) No. 1272/2008

Serious eye damage/eye irritation	Category 2
Flammable liquids	Category 3

#### 2.2 Label elements

#### GHS Label elements, including precautionary statements

Symbol(s)

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**Signal Word**

Warning

**Hazard Statements**

H226 - Flammable liquid and vapour  
 H319 - Causes serious eye irritation

**Precautionary Statements**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P233 - Keep container tightly closed  
 P240 - Ground/bond container and receiving equipment.  
 P242 - Use only non-sparking tools  
 P243 - Take precautionary measures against static discharge  
 P264 - Wash hands thoroughly after handling  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
 P403 + P235 - Store in a well-ventilated place. Keep cool

**UFI**

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## 2.3 Other hazards

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements
Water	75-80	7732-18-5	231-791-2	--	--
Propan-2-ol	5-10	67-63-0	200-661-7	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
Butoxypropanol	5-10	5131-66-8	225-878-4	Flam Liq. 4 Skin Irrit. 2 Eye Irrit. 2	H227 H315 H319
Polyethylene glycol trimethylnonyl ether	<5	60828-78-6	612-043-8	Eye Irrit 2 Aquatic Chronic 3	H319 H412
Sodium xylenesulfonate	<5	1300-72-7	215-090-9	Eye Irrit. 2	H319
Tetrapotassium pyrophosphate	<5	7320-34-5	230-785-7	Eye Irrit 2	H319

Full text of H- statements: see section 16

**Note**

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

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Components marked as "Not Listed" are exempt from registration.  
Where no REACH registration number is listed, it is considered confidential to the Only Representative.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>General advice</b>	When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
<b>Skin contact</b>	Wash off with warm water and soap
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours
<b>Ingestion</b>	Do NOT induce vomiting, Drink plenty of water, Never give anything by mouth to an unconscious person, Get medical attention immediately if symptoms occur

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

<b>Acute toxicity</b>	
<b>Eyes</b>	Irritating to eyes
<b>Skin</b>	May cause skin irritation
<b>Inhalation</b>	May cause irritation of respiratory tract, May cause drowsiness and dizziness
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea, Not an expected route of exposure
<b>Chronic effects</b>	
<b>Chronic toxicity</b>	No known effect

### 4.3 Indication of immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically
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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, Foam, Dry chemical, Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	None

### 5.2 Special hazards arising from the substance or mixture

In the event of fire, cool tanks with water spray, May be ignited by heat, sparks or flames

### 5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

### Other information

<b>Flash point</b>	41.1 °C
<b>Method</b>	PMCC

## 6. ACCIDENTAL RELEASE MEASURES

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

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Ensure adequate ventilation, For personal protection see section 8

## 6.2 Environmental precautions

No special environmental precautions required

## 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal, After cleaning, flush away traces with water

## 6.4 Reference to other sections

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

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice

### 7.2 Conditions for safe storage, including any incompatibilities

Keep away from open flames, hot surfaces and sources of ignition

### 7.3 Specific end uses

Cleaner / Solvent

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Xerox Exposure Limit** 25 ppm (1-butoxy-2-propanol)  
**Exposure Limits** For country specific exposure limits see Section 16

Chemical Name	ACGIH TLV	European Union
Propan-2-ol	STEL 400 ppm TWA: 200 ppm	

### 8.2 Exposure controls

**Engineering measures** None known

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

**Eye/face protection** If splashes are likely to occur, wear: Safety glasses with side-shields  
**Hand protection** Protective gloves.  
**Skin and body protection** None under normal use conditions  
**Respiratory protection** None under normal use conditions.

### Environmental Exposure Controls

**Environmental Exposure Controls** Keep out of drains, sewers, ditches and waterways

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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## 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Clear	<b>Odour</b>	Slight
<b>Physical state</b>	Liquid	<b>Colour</b>	Colourless
<b>pH</b>	9.6		
<b>Flash point</b>	41.1 °C	<b>Method</b>	PMCC
<b>Melting / Freezing Point</b>	Not applicable		
<b>Boiling point/boiling range</b>	89-99 °C		
<b>Softening point</b>	Not applicable		
<b>Evaporation rate</b>	2.9 (N-butylacetate=1)		
<b>Volatility</b>	96.4% (Wt.) N.A. %(Vol.)		
<b>Flammability</b>	Not flammable		
<b>Flammability Limits in Air</b>	Values for isopropanol at 760 mm and 82 °C		
	<b>Upper</b> 12%		<b>Lower</b> 2%
<b>Explosive Limits</b>	No data available		
<b>Vapour pressure</b>	20 mmHg @ 15.2 °C		
<b>Vapour density</b>	2.07		
<b>Specific gravity</b>	~ 1		
<b>Water solubility</b>	Completely soluble		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	No data available		
<b>Decomposition temperature</b>	Not determined		
<b>Viscosity</b>	No information available		
<b>Oxidising properties</b>	Not applicable		

## 9.2 Other information

None

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

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

### 10.4 Conditions to avoid

Heat, flames and sparks

### 10.5 Incompatible Materials

None

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## 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product Information

**Irritation** Irritating to eyes and skin  
**Oral LD50** > 5 g/kg (rat) Practically non-toxic  
**Dermal LD50** > 10.2 g/kg (rabbit) Practically non-toxic  
**LC50 Inhalation** > 200 mg/L

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Propan-2-ol	5045 mg/kg ( Rat )	4059 mg/kg ( Rabbit )	72600 mg/m <sup>3</sup> ( Rat ) 4 h
Butoxypropanol	5660 µL/kg ( Rat )	3100 mg/kg ( Rabbit )	
Polyethylene glycol trimethylnonyl ether	5650 mg/kg ( Rat ) 7460 µL/kg ( Rat )	4780 µL/kg ( Rabbit ) 8480 µL/kg ( Rabbit )	
Sodium xylenesulfonate	1000 mg/kg ( Rat )		
Tetrapotassium pyrophosphate		4640 mg/kg ( Rabbit )	

#### Chronic toxicity

**Chronic effects** No known effects under normal use conditions  
**Carcinogenicity** Contains no ingredient listed as a carcinogen

#### Other toxic effects

**Sensitisation** Not a sensitizer  
**Mutagenic effects** Not determined  
**Target organ effects** No information available

**Other adverse effects** Respiratory tract irritation  
**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

### 12.1 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.

### 12.2 Persistence and degradability

No product level data available

### 12.3 Bioaccumulative potential

No product level data available

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### 12.4 Mobility in soil

Soluble in water

### 12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

### 12.6 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

### 12.7 Other adverse effects

No information available

## **13. DISPOSAL CONSIDERATIONS**

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### 13.1 Waste treatment methods

**Waste Disposal Method** Disposal should be in accordance with local, state or national legislation for flammable liquids.

**EWC Waste Disposal No.** 14 06 03\*

## **14. TRANSPORT INFORMATION**

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### 14.1 UN/ID No

UN 1987

### 14.2 Proper shipping name

Alcohols, n.o.s, (isopropyl alcohol, butoxypropanol)

### 14.3 Transport hazard class(es)

3

### 14.4 Packing Group

III

### 14.5 Environmental hazards

Presents little or no hazard to the environment

### 14.6 Special precautions for users

Refer to protective measures listed in Sections 7 and 8

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable

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Regulation	UN/ID No	Proper shipping name	Hazard class	Subsidiary hazard class	Packing Group	Exceptions
ICAO/IATA	UN1987	Alcohols, n.o.s. (isopropyl alcohol, butoxypropanol)	3	--	III	--
IMDG/IMO	UN1987	Alcohols, n.o.s. (isopropyl alcohol, butoxypropanol)	3	--	III	--
ADR/RID	UN1987	Alcohols, n.o.s. (isopropyl alcohol, butoxypropanol)	3	--	III	
ADN	UN1987	Alcohols, n.o.s. (isopropyl alcohol, butoxypropanol)	3	--	III	

### 15. REGULATORY INFORMATION

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

The product is classified and labelled in accordance with Regulation (EC) No. 1272/2008

#### 15.2 Chemical Safety Assessment

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

### 16. OTHER INFORMATION

Issuing Date 2017-02-22  
 Revision Date 2023-04-20  
 Revision Note (M)SDS sections updated, 3, 16

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

H225 - Highly flammable liquid and vapour  
 H227 - Combustible liquid  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H336 - May cause drowsiness or dizziness  
 H412 - Harmful to aquatic life with long lasting effects

#### Additional advice

#### EU Country Specific Exposure Limits

Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
Propan-2-ol	STEL 500 ppm STEL 1250 mg/m <sup>3</sup> TWA 400 ppm TWA 999 mg/m <sup>3</sup>	TWA 200 ppm STEL 400 ppm Skin	STEL 400 ppm STEL 980 mg/m <sup>3</sup>	AGW 200 ppm AGW 500 mg/m <sup>3</sup>	

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Isopropanol	TWA 200 ppm TWA 500 mg/m <sup>3</sup> STEL 400 ppm STEL 1000 mg/m <sup>3</sup>	SS-C** TWA 200 ppm TWA 500 mg/m <sup>3</sup> STEL 400 ppm STEL 1000 mg/m <sup>3</sup>	STEL 800 ppm STEL 2000 mg/m <sup>3</sup> TWA 200 ppm TWA 500 mg/m <sup>3</sup> C	STEL 2000mg/m <sup>3</sup> TWA 500mg/m <sup>3</sup> S*	TWA 500 mg/m <sup>3</sup> Ceiling 1000 mg/m <sup>3</sup> S*
Butoxypropanol					TWA 270 mg/m <sup>3</sup> Ceiling 550 mg/m <sup>3</sup> S*

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Isopropanol	TWA 200 ppm	TWA 200 ppm		TWA 400 ppm	STEL 203 ppm



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Chemical Name	Spain	Portugal	Italy	Greece	Romania
	TWA 500 mg/m <sup>3</sup> STEL 400 ppm STEL 1000 mg/m <sup>3</sup>	STEL 400 ppm C(A4)		TWA 980 mg/m <sup>3</sup> STEL 500 ppm STEL 1225 mg/m <sup>3</sup>	STEL 500 mg/m <sup>3</sup> TWA 81 ppm TWA 200 mg/m <sup>3</sup>

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Isopropanol	TWA 900 mg/m <sup>3</sup> STEL 1200 mg/m <sup>3</sup>	TWA 200 ppm TWA 490 mg/m <sup>3</sup>	TLV 150 ppm TLV 350 mg/m <sup>3</sup> Indicative STEL 250 ppm Indicative STEL 600 mg/m <sup>3</sup>	TWA 200 ppm TWA 500 mg/m <sup>3</sup> STEL 250 ppm STEL 620 mg/m <sup>3</sup>	TWA 100 ppm TWA 245 mg/m <sup>3</sup> STEL 125 ppm STEL 306.25 mg/m <sup>3</sup>

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 as amended.

### 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.