

Safety Data Sheet

according to the Globally Harmonised System

SDS # : D-40027

Formula A Cleaner

Issuing Date 2017-02-22

Revision Date 2022-04-20

Version 7

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 Europe Limited
 Xerox Technology Park
 Dublin Road
 Dundalk
 Co. Louth
 Ireland

For further information, please contact

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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 Skin Irrit 2 STOT SE 3	H319 H315 H335

Full text of H- statements: see section 16
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"--" indicates no classification or hazard statements apply.
 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

General advice	When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance.
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	Wash off with warm water and soap
Inhalation	Move to fresh air in case of accidental inhalation of vapours
Ingestion	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

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

4.3 Indication of immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically
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5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Water spray, Foam, Dry chemical, Carbon dioxide (CO ₂)
Unsuitable extinguishing media	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

Flash point	41.1 °C
Method	PMCC

6. ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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

Hazardous reactions	None under normal processing
Hazardous polymerisation	Hazardous polymerisation does not occur

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible Materials

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None

10.6 Hazardous decomposition productsCarbon dioxide (CO₂)**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 ³ (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

Information on other hazards

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

On available data, the mixture / preparation is not harmful to aquatic life

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

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No product level data available

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

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

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 Transport in bulk according to MARPOL 73/78 and the IBC Code

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 2022-04-20
Revision Note Updated Emergency Telephone number in some geographies

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
H335 - May cause respiratory 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 ³ TWA 400 ppm TWA 999 mg/m ³	TWA 200 ppm STEL 400 ppm Skin	STEL 400 ppm STEL 980 mg/m ³	AGW 200 ppm AGW 500 mg/m ³	

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

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Chemical Name	Spain	Portugal	Italy	Greece	Romania
Isopropanol	TWA 200 ppm TWA 500 mg/m ³ STEL 400 ppm STEL 1000 mg/m ³	TWA 200 ppm STEL 400 ppm C(A4)		TWA 400 ppm TWA 980 mg/m ³ STEL 500 ppm STEL 1225 mg/m ³	STEL 203 ppm STEL 500 mg/m ³ TWA 81 ppm TWA 200 mg/m ³

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

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.