Safety Data Sheet

according to the Global Harmonised System

SDS # : D-40015

Head Recovery Flush

Issuing Date 2015-12-14 **Revision Date** 2018-08-28 **Version** 1

Active

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

1.1 Product Identifier

Product Name **Head Recovery Flush** for Xerox Products
Part no. 108R01185
Impika A0006881

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

Recommended Use Cleaning agent

1.3 Details of the supplier of the safety data sheet

Supplier
Xerox Ltd.
Xerox Environment, Health, Safety & Sustainability
Monroe House
Works Road
Letchworth
Herts. SG61LN
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

1.4 Emergency telephone

Not applicable

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

2.2 Label elements

Symbol(s) None required
Signal Word None required

Hazard Statements None required
Precautionary Statements None required

2.3 Other hazards

No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements	REACH Registration Number
Water	>90	7732-18-5	231-791-2	--	--	--
Triethanolamine	1-10	102-71-6	203-049-8	--	--	--
Ammonium hydroxide	<1	1336-21-6	Present	Skin Corr. 1B	--	--

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes, If symptoms persist, call a doctor

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes, If symptoms persist, call a doctor

Inhalation Move to fresh air in case of accidental inhalation of vapours, If breathing is irregular or stopped, administer artificial respiration, If breathing is difficult, give oxygen

Ingestion Do NOT induce vomiting, Never give anything by mouth to an unconscious person, Call a physician or poison control centre immediately, Drink 1 or 2 glasses of water

4.2 Most important symptoms and effects, both acute and delayed

Acute toxicity

Eyes May cause slight irritation

Skin Substance may cause slight skin irritation

Inhalation No known effect

Ingestion Do not ingest

Chronic effects

Chronic toxicity No information available

4.3 Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO_2), Dry chemical, Alcohol-resistant foam

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

5.2 Special hazards arising from the substance or mixture

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flash point	85-90 °C
Method	Seta closed cup

6. ACCIDENTAL RELEASE MEASURES

6.1 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

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so

6.3 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, Clean contaminated surface thoroughly

6.4 Reference to other sections

See Section 12 for additional information
See Section 13 for additional information

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing, When using, do not eat, drink or smoke

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end uses

Cleaning agent Solvent

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits For country specific exposure limits see Section 16

Chemical Name	ACGIH TLV	European Union
Triethanolamine	TWA: 5 mg/m³	

8.2 Exposure controls

Engineering measures Ensure adequate ventilation, especially in confined areas, Showers, Eyewash stations

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

Eye/face protection	Safety glasses with side-shields
Hand protection	Rubber gloves.
Skin and body protection	None under normal use conditions
Respiratory protection	None under normal use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear	**Odour**	Ammonia
Physical state	Liquid	**Colour**	Colourless 9.5-11.5
Flash point	85-90 °C	**Method**	Seta closed cup

Boiling point/boiling range	No information available
Evaporation rate	No information available
Flammability Limits in Air	No information available
Explosive Limits	No data available
Vapour pressure	No information available
Vapour density	Heavier than air
Specific gravity	1.0-1.1
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	>200 °C
Decomposition temperature	Not determined
Viscosity	<15 cps
Explosive properties	Not explosive
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

None known

10.5 Incompatible Materials

Strong oxidising agents, Acids, Chlorinated compounds

10.6 Hazardous decomposition products

Carbon oxides

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product Information No product level data available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Triethanolamine	4190 mg/kg (Rat)	20 mL/kg (Rabbit) 16 mL/kg (Rat)	
Ammonium hydroxide	350 mg/kg (Rat)		

Chronic toxicity

Carcinogenicity Not classifiable as a human carcinogen

Other toxic effects

Mutagenic effects Not expected to be mutagenic

Target organ effects Eyes, Skin

Aspiration Hazard Not applicable

12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

12.2 Persistence and degradability

No product level data available

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

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 Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste Disposal Method No special precautions are needed in handling this material

EWC Waste Disposal No. 16 10 01

14. TRANSPORT INFORMATION

14.1 UN/ID No

Not regulated

14.2 Proper shipping name

Not regulated

14.3 Transport hazard class(es)

Not classified

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not a marine pollutant

14.6 Special precautions for users

No special precautions are needed in handling this material

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

Not applicable

15. REGULATORY INFORMATION

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

According to present data no classification and labelling is required according to 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 2015-12-14
Revision Date 2018-08-28
Revision Note Update to format

Additional advice
EU Country Specific Exposure Limits

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Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
Triethanolamine		TWA 5 mg/m³ STEL 15 mg/m³			

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Triethanolamine	TWA 5 mg/m³	SS-C** TWA 5 mg/m³ STEL 10 mg/m³	S** STEL 1.6 ppm STEL 10 mg/m³ TWA 0.8 ppm TWA 5 mg/m³		TWA 5 mg/m³ Ceiling 10 mg/m³ S*

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Triethanolamine	TWA 5 mg/m³	TWA 5 mg/m³			

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Triethanolamine		TWA 0.5 ppm TWA 3.1 mg/m³	LLV 5 mg/m³ LLV 0.8 ppm Indicative STLV 10 mg/m³ Indicative STLV 1.6 ppm A*	TWA 5 mg/m³	TWA 5 mg/m³ STEL 10 mg/m³
Ammonium hydroxide				TWA 20 ppm TWA 14 mg/m³ STEL 50 ppm STEL 36 mg/m³	

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.