Safety Data Sheet

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

Product Identifier

Product Name
Head Recovery Flush for Xerox Products

Part no. 108R01185
Impika A0006881

Color Colorless
Pure substance/mixture Mixture

Relevant identified uses of the substance or mixture and uses advised against
Recommended Use Cleaning agent

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

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not Hazardous

Label elements

Symbol(s) None required

Signal Word None required

Hazard Statements None required

Precautionary Statements None required

Other hazards
No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Water	7732-18-5	>90	--	--
Triethanolamine	102-71-6	1-10	--	--
Ammonium hydroxide	1336-21-6	<1	Skin Corr. 1B	--

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

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

Inhalation Move to fresh air in case of accidental inhalation of vapors, 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 Center immediately, Drink 1 or 2 glasses of water

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 toxicity No information available

Indication of immediate medical attention and special treatment needed

Protection of first-aiders No special protective equipment required

Notes to physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

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

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

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

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

Prevent further leakage or spillage if safe to do so

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

Reference to other sections

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

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on 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

Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	Keep container tightly closed in a dry and well-ventilated place
Incompatible products	Strong oxidizing agents, Acids, Chlorinated compounds

Specific end uses

Cleaning agent Solvent

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL
Triethanolamine	TWA: 5 mg/m³	

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

Information on basic physical and chemical properties

Appearance	Clear	**Odor**	Ammonia
Physical state	Liquid	**Odor threshold**	No information available
Color	Colorless	**pH**	9.5-11.5

Flash point	85-90 °C	**Method**	Seta closed cup

Boiling point/range	No information available
Evaporation rate	No information available
Flammability Limits in Air	No information available
Vapor pressure	No information available
Vapor 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
Oxidizing properties	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

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

Conditions to avoid

None known

Incompatible Materials

Strong oxidizing agents, Acids, Chlorinated compounds

Hazardous decomposition products

Carbon oxides

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
Triethanolamine	4190 mg/kg (Rat)	20 mL/kg (Rabbit) 16 mL/kg (Rat)	
Ammonium hydroxide	350 mg/kg (Rat)		

Chronic toxicity

Sensitization	No information available
Neurological Effects	No information available
Target organ effects	Eyes, Skin

CMR Effects

Mutagenic effects	Not expected to be mutagenic
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
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
Ammonium hydroxide		LC50= 8.2 mg/L Pimephales promelas 96 h		EC50 = 0.66 mg/L 48 h

Persistence and degradability

No product level data available

Bioaccumulative potential

Bioaccumulation is unlikely

Mobility in soil

Soluble in water

Component Information

Chemical Name	log Pow
Triethanolamine	-2.53

Other adverse effects

None known

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

California Waste Status
This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Ammonium hydroxide	Toxic Corrosive

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 %
Ammonium hydroxide	1336-21-6	1.0

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ammonium hydroxide	1000 lb			X

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
Triethanolamine	102-71-6	1-10		Group I		

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Ammonium hydroxide	1000 lb	

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
Triethanolamine	X	X	X		

Ammonium hydroxide	X	X	X		

16. OTHER INFORMATION

Issuing Date 2015-12-14
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Revision Note Update to Format

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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