

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

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

1.1 Identification of the substance or mixture:

Product name : AZURA TE CLEAN-OUT
MSDS Number : 000001014193

1.2 Use of the substance/mixture:

Use of the Substance/Preparation : Offset plate finisher solution
Business group : GS

1.3 Company/undertaking identification

Agfa Corporation
611 River Drive
Center 3
Elmwood Park, NJ 07407
U.S.A.

Transport Emergency

Non-transportation

Call CHEMTREC : +1 800 4249300
International : +1 703 5273887

Health Emergency Phone : +1 303 6235716
Agfa Information Phone : +1 201 4402500

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS (Globally Harmonized System of Classification and Labelling of Chemicals)	
• Hazard classes	Serious eye damage
Hazard categories	Category 1
Hazard statements	H318

2.2 Label elements:

Hazardous components which must be listed on the label :

Symbol(s)



GHS05

Signal word : DANGER
Hazard : H318

Causes serious eye damage.

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

statements

Precautionary statements: prevention : P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements: response

: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/...

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture related information:

Aqueous offset plate finisher solution, mainly consisting of:

3.2 Hazard ingredients:

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 2.1.

Hazardous components

- sodium salts of sulfonated 1,1'-oxybisbenzene tetrapropylene derivative
CAS-No. : 119345-04-9
Hazard classes : Serious eye damage, Chronic hazards to the aquatic environment
Hazard categories : Category 1, Category 2
Hazard statements : H318, H411
Concentration [%] : 1.0 - 5.0
- Citric acid
CAS-No. : 77-92-9
Hazard classes : Serious eye irritation
Hazard categories : Category 2
Hazard statements : H319
Concentration [%] : 1.0 - 5.0

Components with a community workplace exposure limit

This product does not contain components with a community exposure limit.

3.3 Remark:

Full text of each relevant H-phrase is listed in section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

- Skin contact : Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice.
Ingestion : Rinse mouth with plenty of water. Seek medical advice.
Inhalation : Take person to fresh air. If necessary, seek medical advice.

4.2 Most important symptoms and effects:

- Symptoms : In normal conditions of use, no adverse effects are expected.

4.3 Indication of immediate medical attention and special treatment needed:

- General advice : Call a physician immediately.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : All extinguishing media are suitable. Carbon dioxide (CO₂), Alcohol-resistant foam., Dry extinguishing powder., Powder form.

5.2 Special hazards arising from the substance or mixture:

- Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.
Further information : Product is not combustible.

5.3 Advice for fire-fighters:

- Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
Special protective equipment for fire-fighters : Regular fire intervention clothes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

- Personal precautions : See section : Exposure controls / personel protection. Cleanup personnel must use appropriate personal protective equipment.
Additional advice : Wash away residues with plenty of water. Observe normal precautions when handling chemicals.

6.2 Environmental precautions:

- Environmental precautions : For waste disposal see section 13. The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and material for containment and cleaning up:

- Methods for cleaning up : Dike the spill if necessary. Soak up with absorbent material. Collect

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

large spills into a properly labelled and sealable container. Prevent release into the drain, soil or surface water.

6.4 Reference to other sections:

For waste disposal see section 13.
For personal protection see section 8.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Advice on safe handling : Prevent product from diffusing.
Hygiene measures : Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

7.2 Conditions for safe storage:

Requirements for storage areas and containers : Keep container tightly closed. Protect from direct sunlight.
Advice on common storage : Store away from strong alkalis.

7.3 Specific end use:

This substance is used only by trained professionals under restricted conditions.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

8.1.1.1 Occupational exposure limits:

Air limit values (US)

We are not aware of any national exposure limit.

Air limit values (CA)

We are not aware of any national exposure limit.

Biological limit values (US)

We are not aware of any national exposure limit.

Biological limit values (CA)

We are not aware of any national exposure limit.

8.1.1.2 Additional exposure limits under the conditions of use:

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

No other exposure limits applicable.

8.2 Exposure controls:

Occupational exposure controls:

➤ Instruction measures to prevent exposure:

Employees should wash their hands and face before eating, drinking, or using tobacco products. Keep away from foodstuffs, drinks and tobacco.

➤ Technical measures to prevent exposure:

Ensure adequate ventilation.

➤ Personal measures to prevent exposure:

Respiratory protection : Under normal conditions of use, respirator protection is not required. If respirators are used, institute a program in accordance with OSHA standard 29CFR1910.134 or Canada CSA Standard Z94.4-02. not required under normal use

Hand protection : Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butylrubber (thickness \geq 0.70 mm, breakthrough time $>$ 480 min).(EN 374). The use of protective gloves should conform to the specifications of EC directive 89/686/EC and the resultant standard EN374.

Additional advice: The data are based on own tests, literature data and information of glove manufacturers or derived from similar substances. Because several factors may influence these properties (eg temperature), one should take into account the fact that the life of a chemical gloves in practice may be considerably shorter than indicated by the permeation test. The high diversity of types of use are prescribed by the manufacturer.

Eye protection : Safety glasses.

Body Protection : Safety clothes : long sleeved clothing EN13688

Personal protective equipment : Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties:

9.1.1 Appearance:

State of matter : Liquid
Form : Liquid.
Color : Light yellow
Odor : Nearly odourless

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

9.1.2 Important health, safety and environmental information:

pH (25 °C)	:	3.6
Melting point/range	:	< 0 °C
Boiling point/range	:	> 100 °C
Flash point	:	> 93.33 °C
		Not combustible.
Vapour pressure (20 °C)	:	23.00 hPa
Relative density (20 °C)	:	1.073
Solubility/qualitative	:	Miscible with water at all ratios.
Water solubility	:	completely soluble
Partition coefficient (n-octanol/water)	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Evaporation rate	:	Almost no evaporation (20°C).
Flammability (solid, gas)	:	not auto-flammable

9.2 Other information:

VOC content	:	0.0 g/l
		VOC content excluding water

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

Reactivity	:	Reactivity is not to be expected under normal conditions of temperature and pressure.
------------	---	---

10.2 Chemical stability:

Stability	:	The product is stable under normal conditions of storage and use.
-----------	---	---

10.3 Possibility of hazardous reactions:

Hazardous reactions	:	The product is stable under normal conditions of storage and use.
---------------------	---	---

10.4 Conditions to avoid:

Conditions to avoid	:	Avoid contact with strong alkalis.
---------------------	---	------------------------------------

10.5 Materials to avoid:

Materials to avoid	:	Store away from strong alkalis.
--------------------	---	---------------------------------

10.6 Hazardous decomposition products:

Hazardous decomposition	:	None
-------------------------	---	------

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

products

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity data specific for individual ingredients in their pure state:

Toxicokinetics, metabolism and distribution:

- Citric acid
No data available

Acute effects (toxicity tests):

> Acute Toxicity

- Citric acid

	Effect dose	Species	Value	Method
Acute oral toxicity	LD50	rat	3,000 mg/kg	Literature. Based on available data, the classification criteria are not met.
Acute dermal toxicity	LD50	rabbit	5,500 mg/kg	Literature. Based on available data, the classification criteria are not met.
Acute inhalation toxicity	No data available			

> Specific target organ toxicity (STOT):

Specific effects	Affected organs
No data available	

> Irritant and corrosive effects:

- Citric acid

	Exposure time	Species	Evaluation	Method
Primary irritation to the skin		rabbit	No skin irritation	OECD Test Guideline 404 Based on available data, the classification criteria are not met.
Irritation to eyes			Irritating to eyes.	Literature.

> Irritation to the respiratory tract:

No data available

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

➤ **Sensitisation:**

- Citric acid

Species	Evaluation	Method
	No data available	

➤ **Aspiration hazard:**

No data available

Sub-acute, sub-chronic and chronic toxicity

➤ **Repeated dose toxicity:**

No data available

➤ **Specific target organ toxicity (STOT):**

No information available.

➤ **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

- **Carcinogenicity**

No data available

- **Mutagenicity**

No data available

- **Genetic toxicity in vitro**

No data available

- **Genetic toxicity in vivo**

No data available

- **Teratogenicity**

No data available

- **Toxicity to reproduction**

No data available

➤ **Summarised evaluation of the CMR properties:**

Carcinogenicity : No data available
Mutagenicity : No data available
Teratogenicity : No data available

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

Toxicity to reproduction : No data available

Experiences made in practice:

- Citric acid
Causes serious eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

- Citric acid

	Effect dose	Exposure time	Species	Value
Toxicity to fish	LC50	48 h	Leuciscus idus (golden orfe)	760 mg/l
	Method: Literature. Based on available data, the classification criteria are not met.			
Toxicity to daphnia	EC50	72 h	Daphnia magna (water flea)	120 mg/l
	Method: Literature. Based on available data, the classification criteria are not met.			
Toxicity to algae	EC5	7 d	Scenedesmus quadricauda (algae)	640 mg/l
	Method: Literature. Based on available data, the classification criteria are not met.			
Toxicity to bacteria	EC5	16 h	Pseudomonas putida (bacteria)	> 10,000 mg/l
	Method: Literature. Based on available data, the classification criteria are not met.			

12.2 Persistence and degradability:

Physico-chemical removability

Neutralization is normally necessary before waste water is discharged into water treatment plants.

Chemical Oxygen Demand (COD)

Value	Method
145,000 mg/l	

Adsorbed organic bound halogens (AOX)

- sodium salts of sulfonated 1,1'-oxybisbenzene tetrapropylene derivative
- Citric acid

Product does not contain any organic halogens.

Biodegradation

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

- sodium salts of sulfonated 1,1'-oxybisbenzene tetrapropylene derivative
- Citric acid

Value	Exposure time	Method	Evaluation
98 %	2 d	Literature.	Readily biodegradable.
According to the results of tests of biodegradability this product is considered as being readily biodegradable.			

Biochemical Oxygen Demand (BOD)

Concentration	Incubation time	Value	Method
		19,500 mg/l	

12.3 Bioaccumulative potential:

Partition coefficient (n-octanol/water)

No data available

Bioconcentration factor (BCF)

- sodium salts of sulfonated 1,1'-oxybisbenzene tetrapropylene derivative
- Citric acid

Accumulation in aquatic organisms is unlikely.

12.4 Mobility in soil:

Soluble in water.

Henry's constant

- Citric acid

Value	Temperature	Method
		No information available.

Transport between environmental compartments

Transport between environmental compartments can be expected.

12.5 Results of PBT and vPvB assessment:

This product does not meet the criteria concerning PBT or vPvB substances as described in Annex XIII of the REACH regulation (1907/2006 EC)

12.6 Other adverse effects:

No information on ecology is available.

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Waste disposal should be in accordance with existing federal, state and local environmental control laws. Discharge to sewer may require approval of permitting authority and may require pretreatment.

Empty containers.

Recondition or dispose of empty container in accordance with governmental regulations.

US. RCRA Hazardous Waste Classification (40 CFR 261)

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

SECTION 14. TRANSPORT INFORMATION

Not regulated according to IMO/IMDG.

Not regulated according to ICAO/IATA aircraft only.

Not regulated according to ICAO/IATA passenger and cargo aircraft.

Not Regulated according to US Department of Transportation (DOT) 49 CFR

Not regulated according to Transport of Dangerous Goods (TDG)

SECTION 15. REGULATORY INFORMATION

US. Toxic Substances Control Act (TSCA)

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substance Control Act (U.S, EPA TSCA) inventory.

US. OSHA Classification

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

US. SARA 311/312 Hazard Categories

Acute Health Hazard.

US. California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

State Right-to-Know Information

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard Rule - 29 CFR 1910.1200 and the Canadian Hazardous Products Act



AZURA TE CLEAN-OUT

SUBID:000001014193

Version 1

Print Date 03-25-2016

Revision Date 09-14-2015

The following chemicals are specifically listed by individual states. Other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

	<u>CAS-No.</u>	<u>Concentration [%]</u>
• Sodium hexametaphosphate	10124-56-8	>= 1.0 - <= 5.0

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

	<u>CAS-No.</u>	<u>Concentration [%]</u>
• Sodium hexametaphosphate	10124-56-8	>= 1.0 - <= 5.0

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

	<u>CAS-No.</u>	<u>Concentration [%]</u>
• Sodium hexametaphosphate	10124-56-8	>= 1.0 - <= 5.0

US. Massachusetts, New Jersey, Pennsylvania or Rhode Island Right to Know Substance Lists : See Section 2.

Canadian WHMIS Classification

E : Corrosive Material

Canadian Environmental Protection Act (CEPA)

All components of this product are on the Canadian DSL list.

SECTION 16. OTHER INFORMATION

Text of H-phrases referred to under headings 2 and 3:

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

This MSDS is replacing Agfa MSDS number 1863G

This information is furnished without warranty, expressed or implied, and is believed to be accurate to the best knowledge of Agfa Corporation. The data on this SDS relates only to the specific material designated herein. Agfa Corporation assumes no legal responsibility for use or reliance upon these data. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.