

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Antura Oxy Clean

Product No.: 000001015627

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

Identified uses: Cleaning agent

Uses advised against: Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Agfa Graphics NV
Septestraat 27
2640 Mortsel
Belgium

Telephone: +32 3 4442111

Fax: +32 3 4447094

E-mail: electronic.sds@agfa.com

National Supplier

Agfa-Gevaert Ltd.
Vantage West
Great West Road
Brentford, Middlesex TW8 9AX
United Kingdom

Telephone: +44 (0)20 8 231 4616

Fax: +44 (0)20 8 231 4951

E-mail: electronic.sds@agfa.com

1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Physical Hazards

Oxidizing solids

Category 3

H272: May intensify fire; oxidizer.

Health Hazards

Acute toxicity (Oral)

Category 4

H302: Harmful if swallowed.

Acute toxicity (Inhalation - dust and mist)	Category 4	H332: Harmful if inhaled.
Serious eye damage	Category 1	H318: Causes serious eye damage.
Specific Target Organ Toxicity - Single Exposure	Category 3	H335: May cause respiratory irritation.

2.2 Label Elements

Contains:

Sodium Carbonate Peroxyhydrate



Signal Words:

Danger

Hazard Statement(s):

H272: May intensify fire; oxidizer.
H302: Harmful if swallowed.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H332: Harmful if inhaled.

Precautionary Statement

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P221: Take any precaution to avoid mixing with combustibles.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403: Store in a well-ventilated place.

Disposal:

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information:

No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes

Sodium Carbonate Peroxyhydrate	50 - <100%	15630-89-4	239-707-6	01-2119457268-30-XXXX	No data available.	
sodium carbonate	1 - <5%	497-19-8	207-838-8	01-2119485498-19-XXXX	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
Sodium Carbonate Peroxyhydrate	Ox. Sol.: 2: H272 Acute Tox.: 4: H302 Acute Tox.: 4: H332 Eye Dam.: 1: H318 STOT SE: 3: H335	
sodium carbonate	Eye Irrit.: 2: H319	No data available.

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Move to fresh air.
Eye contact:	Rinse immediately with plenty of water.
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Ingestion:	Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed: See section 11 of the SDS for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards:	No data available.
Treatment:	Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

General Fire Hazards: Flood with water. Use water spray to keep fire-exposed containers cool. Contact with combustible material may cause fire.

5.1 Extinguishing media
Suitable extinguishing media: Water. Carbon dioxide (CO2).

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire. Dry chemicals or foams.

5.2 Special hazards arising from the substance or mixture:

May intensify fire; oxidizer.

**5.3 Advice for firefighters
Special fire fighting procedures:**

No data available.

Special protective equipment for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Put on protective equipment before entering danger area.

6.2 Environmental Precautions:

Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up:

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.

6.4 Reference to other sections:

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage:**7.1 Precautions for safe handling:**

Do not taste or swallow. Wash hands thoroughly after handling. Keep away from combustible material. Keep away from heat.

7.2 Conditions for safe storage, including any incompatibilities:

Store away from incompatible materials.

7.3 Specific end use(s):

Reserved for industrial and professional use.

SECTION 8: Exposure controls/personal protection**8.1 Control Parameters
Occupational Exposure Limits**

None of the components have assigned exposure limits.

Biological Limit Values

None.

DNEL-Values

Critical component	type	Route of Exposure		Remarks
Sodium Carbonate Peroxyhydrate	Workers	Dermal	12.8 mg/cm2	Skin irritation/corrosion
	Workers	Inhalation	5 mg/m3	Irritating to respiratory system.
	General population	Dermal	6.4 mg/cm2	Skin irritation/corrosion
	General population	Dermal	6.4 mg/cm2	Skin irritation/corrosion
	Workers	Dermal	12.8 mg/cm2	Skin irritation/corrosion
sodium carbonate	General population	Inhalation	10 mg/m3	Irritating to respiratory system.
	Workers	Inhalation	10 mg/m3	Irritating to respiratory system.

PNEC-Values

Critical component	Environmental compartment		Remarks
Sodium Carbonate Peroxyhydrate	Aquatic (marine water)	0.035 mg/l	
	Aquatic (intermit. releases)	0.035 mg/l	
	Aquatic (freshwater)	0.035 mg/l	
	Sewage treatment plant	16.24 mg/l	

8.2 Exposure controls

Appropriate Engineering Controls: Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Follow training instructions when handling this material.

Eye/face protection: Safety goggles. EN 166.

Skin protection

Hand Protection: Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butylrubber (thickness ≥ 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.

Other: Safety clothes : long sleeved clothing EN13688

Respiratory Protection:	Use respiratory equipment with particle filter, type P1.
Hygiene measures:	Do not eat, drink or smoke when using the product. Wash hands after handling.
Environmental Controls:	Do not empty into drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Powder form.
Color:	White.
Odor:	Odourless.
Odor Threshold:	No data available.
pH:	Not applicable
Melting Point:	No data available
Boiling Point:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	0.00001 hPa (25 °C) (Literature.)
Vapor density (air=1):	No data available
Relative density:	2.14 (Literature.)
Solubility(ies)	
Solubility in Water:	140 g/l (25 °C, Literature.)
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available
Autoignition Temperature:	Not applicable
Decomposition Temperature:	No data available.
Viscosity:	No data available
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

Molecular weight:	140 g/mol
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SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Material is stable under normal conditions.

10.4 Conditions to avoid: Avoid heat or contamination. Sunlight. Moisture. Heat, sparks, flames.

10.5 Incompatible Materials: Contact with acids. Water, moisture. Alkali metals.

10.6 Hazardous Decomposition Products: By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

Ingestion: Harmful if swallowed.

Skin Contact: Moderately irritating to skin with prolonged exposure.

Eye contact: Eye contact is possible and should be avoided.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: ATEmix: 1,077.08 mg/kg

Specified substance(s)

Sodium Carbonate LD 50 (Rat): 1,034 mg/kg

Peroxyhydrate

sodium carbonate LD 50 (Rat): 2,800 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Sodium Carbonate LD 50 (Rabbit): > 2,000 mg/kg

Peroxyhydrate

sodium carbonate LD 50 (Rabbit): > 2,000 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Sodium Carbonate No data available.

Peroxyhydrate

sodium carbonate LC 50 (Rat, 2 h): 2.3 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Sodium Carbonate No data available.

Peroxyhydrate
sodium carbonate No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Sodium Carbonate in vivo (Rabbit): Not irritating

Peroxyhydrate in vivo (Rabbit): Not irritating

sodium carbonate in vivo (Rabbit): Not irritating

in vivo (Rabbit): Not irritating

in vivo (Rabbit): Not irritating

in vivo (Rabbit): Not irritating

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

Sodium Carbonate in vivo (Rabbit, 1 hrs): Highly irritating

Peroxyhydrate
sodium carbonate in vivo (Rabbit, 1 - 14 d): Irritating

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Sodium Carbonate No data available.

Peroxyhydrate
sodium carbonate No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Sodium Carbonate No data available.

Peroxyhydrate
sodium carbonate No data available.

In vivo

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Sodium Carbonate	LC 50 (Pimephales promelas, 48 h): 70.7 mg/l (semi-static) experimental result
Peroxyhydrate	
sodium carbonate	LC 50 (Lepomis macrochirus, 96 h): 300 mg/l (Static) experimental result
	LC 50 (Gambusia affinis, 48 h): 840 mg/l (Static) experimental result

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Sodium Carbonate	EC 50 (48 h): 4.9 mg/l (semi-static) experimental result
Peroxyhydrate	NOAEL (48 h): 2 mg/l (semi-static) experimental result
sodium carbonate	EC 50 (96 h): 341 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Sodium Carbonate	No data available.
Peroxyhydrate	
sodium carbonate	No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Sodium Carbonate No data available.

Peroxyhydrate

sodium carbonate No data available.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Sodium Carbonate No data available.

Peroxyhydrate

sodium carbonate No data available.

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

Sodium Carbonate No data available.

Peroxyhydrate

sodium carbonate No data available.

12.5 Results of PBT and vPvB assessment:

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

Sodium Carbonate Peroxyhydrate No data available.

sodium carbonate No data available.

12.6 Other Adverse Effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

Disposal considerations (including disposal of contaminated containers or packaging) Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Disposal methods:

Discharge, treatment, or disposal may be subject to national, state, or local laws.

SECTION 14: Transport information

ADR

14.1 UN Number: UN 3378

14.2 UN Proper Shipping Name: SODIUM CARBONATE PEROXYHYDRATE

14.3 Transport Hazard Class(es)

Class: 5.1

Label(s): 5.1

Hazard No. (ADR): 50

Tunnel restriction code:	(E)
14.4 Packing Group:	III
Limited quantity	No data available.
Excepted quantity	No data available.
14.5 Environmental Hazards:	No
14.6 Special precautions for user:	–

RID

14.1 UN Number:	UN 3378
14.2 UN Proper Shipping Name	SODIUM CARBONATE PEROXYHYDRATE
14.3 Transport Hazard Class(es)	
Class:	5.1
Label(s):	5.1
14.4 Packing Group:	III
14.5 Environmental Hazards:	No
14.6 Special precautions for user:	–

IMDG

14.1 UN Number:	UN 3378
14.2 UN Proper Shipping Name:	SODIUM CARBONATE PEROXYHYDRATE
14.3 Transport Hazard Class(es)	
Class:	5.1
Label(s):	5.1
EmS No.:	F-A, S-Q
14.4 Packing Group:	III
Limited quantity	No data available.
Excepted quantity	No data available.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	–

IATA

14.1 UN Number:	UN 3378
14.2 Proper Shipping Name:	Sodium carbonate peroxyhydrate
14.3 Transport Hazard Class(es):	
Class:	5.1
Label(s):	5.1
14.4 Packing Group:	III
Limited quantity	No data available.
Excepted quantity	No data available.
14.5 Environmental Hazards:	No
14.6 Special precautions for user:	–

Other information	
Passenger and cargo aircraft:	Allowed.
Cargo aircraft only:	Allowed.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**EU Regulations**

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:
none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:
none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:
none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
sodium carbonate	497-19-8	1.0 - 10%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Not relevant. Not relevant.

Key literature references and sources for data: Safety Data Sheet from the supplier.
ECHA
Safety Data Sheet from the supplier.
ECHA

Wording of the H-statements in section 2 and 3

H272 May intensify fire; oxidizer.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Ox. Sol. 3, H272
Acute Tox. 4, H302
Acute Tox. 4, H332
Eye Dam. 1, H318
STOT SE 3, H335

Issue Date: 10.08.2016

SDS No.:

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.