SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 12/18/2023 **Revision Number** 1

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

1.1. Product identifier

Product Name Platinum All In 1 Capsules

Product Code(s) 2320

Safety data sheet number 000046

Unique Formula Identifier (UFI) 1AKM-N586-P4CY-WKTE

Pure substance/mixture Mixture

Contains Sodium carbonate peroxyhydrate, Sodium Carbonate

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

Recommended use Automatic dishwashing tabs Consumer use

Uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier
The London Oil Refining Company Ltd
Astonish House
Unit 8 Thornbury Ind. Est.
Woodhall Road
Bradford BD3 7AF, UK
Tel: +44 1274 767440 (8am-4pm Mon-Fri)
www.astonishcleaners.com

Astonish Cleaners Europe Ltd
38 Main Street
Swords
Co. Dublin
Republic of Ireland
K67E0A2
Tel: +353 768 885288 (8am-4pm Mon-Fri)
www.astonishcleaners.eu
For further information, please contact

E-mail address info@astonish.co.uk info@astonishcleaners.eu

1.4. Emergency telephone number

Emergency Telephone: ROI - Emergency Telephone: +353 768 885288 (8am-4pm Mon-Fri)
Poisons Information Centre of Ireland (ROI): +353 (1) 8092166 (8am-10pm 7 days a week)

Emergency Telephone	
Europe	**112**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)

2.2. Label elements

Contains Sodium carbonate peroxyhydrate, Sodium Carbonate

Signal word
Warning

Hazard statements
H319 - Causes serious eye irritation
EUH208 - Contains subtilisin May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P280 - Wear protective gloves and eye protection.
P264 - Wash hands thoroughly after handling.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EU Detergent labelling; Contains
15-30% Oxygen-based bleaching agents,
10-15% Non-ionic surfactants,
<1% Enzymes

2.3. Other hazards

No information available.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Sodium carbonate peroxyhydrate 15630-89-4	10 - <25%	01-2119457268-30-0000	239-707-6	Acute Tox. 4 (H302) Ox. Sol. 3 (H272) Eye Dam. 1 (H318)	**Specific concentration limits**: C: >= 25 %, Serious eye damage, Category 1; H318 C: 7.5 - < 25 %, Eye irritation, Category 2; H319	-	-
Sodium Carbonate 497-19-8	10 - <25%	01-2119485498-19-0000	(011-005-00-2) 207-838-8	Eye Irrit. 2 (H319)	-	-	-
Monopropylene Glycol 57-55-6	5 - <10%	No data available	200-338-0	No data available	-	-	-
subtilisin 9014-01-1	0.025 - <0.25%	No data available	(647-012-00-8) 232-752-2	Aquatic Chronic 3 (H412) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Irrit. 2 (H315) STOT SE 3 (H335)	-	-	-
Titanium Dioxide 13463-67-7	0.025 - <0.25%	No data available	(022-006-00-2) 236-675-5	Carc. 2 (H351i)	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Sodium carbonate peroxyhydrate 15630-89-4	1034	2000	No data available	No data available	No data available
Sodium Carbonate 497-19-8	4090	2000	1.15	No data available	No data available
Monopropylene Glycol 57-55-6	20000	20800	No data available	No data available	No data available
subtilisin	3700	No data available	No data available	No data available	No data available

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
9014-01-1					
Titanium Dioxide 13463-67-7	10000	No data available	5.09	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. If breathing has stopped, give artificial respiration. Get medical attention immediately. If symptoms persist, call a physician.

Eye contact Get immediate medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. See section 8 for more information.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation..

Effects of Exposure See Section 11 for additional Toxicological Information.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

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 further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid generation of dust. Ensure adequate ventilation.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
Storage class (TRGS 510)	Not applicable.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Monopropylene Glycol 57-55-6	-	-	-	-	TWA: 150 ppm TWA: 474 mg/m^3 TWA: 10 mg/m^3
subtilisin 9014-01-1	-	-	-	-	TWA: 0.00004 mg/m^3 * Respiratory Sensitisation
Titanium Dioxide 13463-67-7	-	TWA: 5 mg/m^3 STEL 10 mg/m^3	TWA: 10 mg/m^3	TWA: 10.0 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sodium Carbonate 497-19-8	-	TWA: 5 mg/m^3 Ceiling: 10 mg/m^3	-	-	-
subtilisin 9014-01-1	-	-	Ceiling: 0.00006 mg/m^3	S+ TWA: 1 glycine unit/m^3 STEL: 3 glycine unit/m^3	-
Titanium Dioxide 13463-67-7	-	-	TWA: 6 mg/m^3 STEL: 12 mg/m^3	TWA: 5 mg/m^3	-
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
subtilisin 9014-01-1	-	-	respiratory sensitizer	-	-
Titanium Dioxide 13463-67-7	TWA: 10 mg/m^3	TWA: 1.25 mg/m^3 TWA: 10 mg/m^3	TWA: 0.3 mg/m^3 Peak: 2.4 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3	-
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Monopropylene Glycol 57-55-6	TWA: 10 mg/m^3 TWA: 150 ppm TWA: 470 mg/m^3 STEL: 1410 mg/m^3 STEL: 30 mg/m^3 STEL: 450 ppm	-	-	TWA: 7 mg/m^3	TWA: 7 mg/m^3
subtilisin 9014-01-1	TWA: 0.00006 mg/m^3 STEL: 0.00006 mg/m^3 Sens+	-	Ceiling: 0.00006 mg/m^3	-	-
Titanium Dioxide 13463-67-7	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3	-	TWA: 10 mg/m^3	TWA: 10 mg/m^3	TWA: 5 mg/m^3
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Monopropylene Glycol 57-55-6	-	-	-	TWA: 25 ppm TWA: 79 mg/m^3	TWA: 100 mg/m^3

				STEL: 37.5 ppm STEL: 118.5 mg/m^3	
Titanium Dioxide 13463-67-7	-	-	-	TWA: 5 mg/m^3 STEL: 10 mg/m^3	STEL: 30 mg/m^3 TWA: 10 mg/m^3

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Sodium Carbonate 497-19-8	-	TWA: 1 mg/m^3 STEL: 3 mg/m^3	-	-	-
subtilisin 9014-01-1	Ceiling: 0.00006 mg/m^3	-	-	-	STEL: 0.00006 mg/m^3 Sen+
Titanium Dioxide 13463-67-7	TWA: 10 mg/m^3	TWA: 10 mg/m^3 STEL: 15 mg/m^3	TWA: 5 mg/m^3	-	TWA: 10 mg/m^3

Chemical name	Sweden	Switzerland	United Kingdom
Monopropylene Glycol 57-55-6	-	-	TWA: 150 ppm TWA: 474 mg/m^3 TWA: 10 mg/m^3 STEL: 450 ppm STEL: 1422 mg/m^3 STEL: 30 mg/m^3
subtilisin 9014-01-1	Bindande KGV: 3 glycine unit/m^3 S+ NGV: 1 glycine unit/m^3	S+ STEL: 0.00006 mg/m^3	TWA: 0.00004 mg/m^3 STEL: 0.00012 mg/m^3 Sen+
Titanium Dioxide 13463-67-7	NGV: 5 mg/m^3	TWA: 3 mg/m^3 TWA: 10 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Sodium carbonate peroxyhydrate 15630-89-4	-	12.8 mg/cm2 [5] [6] 12.8 mg/cm2 [5] [7]	5 mg/m^3 [5] [6]
Monopropylene Glycol 57-55-6	-	-	168 mg/m^3 [4] [6] 10 mg/m^3 [5] [6]
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	-	15000 mg/kg bw/day [4] [6]	7.3 mg/m^3 [4] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Sodium carbonate peroxyhydrate 15630-89-4	-	6.4 mg/cm2 [5] [6] 6.4 mg/cm2 [5] [7]	-
Monopropylene Glycol 57-55-6	-	-	50 mg/m^3 [4] [6] 10 mg/m^3 [5] [6]

Chemical name	Oral	Dermal	Inhalation
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	1.5 mg/kg bw/day [4] [6]	-	1.8 mg/m^3 [4] [6]
subtilisin 9014-01-1	1.8 mg/kg bw/day [4] [6] 3.6 mg/kg bw/day [4] [7]	-	-

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Sodium carbonate peroxyhydrate 15630-89-4	0.035 mg/L	0.035 mg/L	0.035 mg/L	-	-
Monopropylene Glycol 57-55-6	260 mg/L	183 mg/L	26 mg/L	-	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	9.45 mg/L	0.953 mg/L	0.945 mg/L	0.0953 mg/L	-
subtilisin 9014-01-1	1.7 µg/L	0.9 µg/L	0.17 µg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Sodium carbonate peroxyhydrate 15630-89-4	-	-	16.24 mg/L	-	-
Monopropylene Glycol 57-55-6	572 mg/kg sediment dw	57.2 mg/kg sediment dw	20000 mg/L	50 mg/kg soil dw	-
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate 51981-21-6	-	-	41.2 mg/L	0.5 mg/kg soil dw	67 mg/kg food
subtilisin 9014-01-1	-	-	65000 µg/L	568 µg/kg soil dw	-

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection	Wear suitable gloves.
Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid breathing dust..
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Rectangular tablet blue (top) and white (bottom)
Color	White/Blue Layers
Odor	Odorless.
Odor threshold	

Property	**Values**		**Remarks • Method**
Melting point / freezing point	No data available		None known
Initial boiling point and boiling range	No data available		None known
Flammability	No data available		Does not ignite
Flammability Limit in Air			None known
Upper flammability or explosive limits	No data available		
Lower flammability or explosive limits	No data available		
Flash point	No determined		None known
Autoignition temperature	No data available		None known
Decomposition temperature			None known
pH	Liquid (5-7) ; Powder (10-12)		None known
pH (as aqueous solution)	No data available		None known
Kinematic viscosity	No data available		None known
Dynamic viscosity	No data available		None known
Water solubility	No data available	Soluble in water	None known
Solubility(ies)	No data available		None known
Partition coefficient	No data available		None known
Vapor pressure	No data available		None known
Relative density	No data available		None known
Bulk density	No data available		
Liquid Density	No data available		
Relative vapor density	No data available		None known
Particle characteristics			
Particle Size	-		
Particle Size Distribution			

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not applicable

Explosive properties	None

9.2.2. Other safety characteristics

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation May cause irritation.

Eye contact Causes serious eye irritation..

Skin contact May cause sensitization by skin contact. May cause irritation.

Ingestion May cause irritation. May cause gastrointestinal discomfort if consumed in large amounts.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Irritation. May cause redness and tearing of the eyes.

Acute toxicity Not classified.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	2,173.30 mg/kg
ATEmix (dermal)	2,683.70 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	2,200.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate peroxyhydrate	= 1034 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Sodium Carbonate	= 4090 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2300 mg/m^3 (Rat) 2 h
Monopropylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
subtilisin	= 3700 mg/kg (Rat)	-	-
Titanium Dioxide	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
Titanium Dioxide	Carc. 2

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2. Other information

Other adverse effects No other adverse effects expected.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Not considered to be harmful to aquatic life.

Unknown aquatic toxicity Contains 1.788 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium carbonate peroxyhydrate	-	LC50: =70.7mg/L (96h, Pimephales promelas)	-	EC50: =4.9mg/L (48h, Daphnia pulex)
Sodium Carbonate	-	LC50: =300mg/L (96h, Lepomis macrochirus) LC50: 310 - 1220mg/L (96h, Pimephales promelas)	-	EC50: =265mg/L (48h, Daphnia magna)
Monopropylene Glycol	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =51600mg/L (96h, Oncorhynchus mykiss) LC50: 41 - 47mL/L (96h, Oncorhynchus mykiss) LC50: =51400mg/L (96h, Pimephales promelas) LC50: =710mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability None known.

12.3. Bioaccumulative potential

Bioaccumulation Not likely to bioaccumulate.

Component Information

Chemical name	Partition coefficient
Monopropylene Glycol	-1.07
subtilisin	-3.1

12.4. Mobility in soil

Mobility in soil Not determined.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Sodium carbonate peroxyhydrate	The substance is not PBT / vPvB
Sodium Carbonate	The substance is not PBT / vPvB
Monopropylene Glycol	The substance is not PBT / vPvB
subtilisin	The substance is not PBT / vPvB
Titanium Dioxide	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None

IMDG

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments Not regulated

RID

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

ADR
14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

SECTION 15: Regulatory information

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

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Monopropylene Glycol - 57-55-6	RG 84

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Sodium Carbonate - 497-19-8	75.	-
subtilisin - 9014-01-1	75.	-
Titanium Dioxide - 13463-67-7	75.	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Sodium carbonate peroxyhydrate - 15630-89-4	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene Product-type 4: Food and feed area

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report A Chemical Safety Assessment has not been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H351i - Suspected of causing cancer if inhaled
H412 - Harmful to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method

Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 12/18/2023

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
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.

End of Safety Data Sheet

Europe

EU SDS version information - EGHS
UL release:

GHS Revision 7
2022 Q1

Europe Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under section 3: H272 - May intensify fire; oxidizer H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage H319 - Causes serious eye irritation H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 - May cause respiratory irritation H351i - Suspected of causing cancer if inhaled H412 - Harmful to aquatic life with long lasting effects

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
Sodium carbonate peroxyhydrate	Acute Tox. 4 (H302) Ox. Sol. 3 (H272) Eye Dam. 1 (H318)	
Sodium Carbonate	Eye Irrit. 2 (H319)	
subtilisin	Aquatic Chronic 3 (H412) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Irrit. 2 (H315) STOT SE 3 (H335)	
Titanium Dioxide	Carc. 2 (H351i)	

Chemical name	CAS No	French RG number
Monopropylene Glycol	57-55-6	RG 84

Storage class (TRGS 510) Not applicable