



CHRISTEYNS

SAFETY DATA SHEET

Poly

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name	Poly
Product number	7519/10657
UFI	UFTN-Y0GC-U002-SGD6

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

Identified uses	Detergent. Cleaning agent.
-----------------	----------------------------

1.3. Details of the supplier of the safety data sheet

Supplier	Christeyns UK Ltd Rutland Street, Bradford, West Yorkshire. BD4 7EA Tel: 01274 393286 Fax: 01274 309143 info@christeyns.co.uk
----------	---

Manufacturer	Christeyns UK Ltd Rutland Street, Bradford, West Yorkshire BD4 7EA Tel: 01274 393286 Fax: 01274 309143 info@christeyns.co.uk
--------------	---

1.4. Emergency telephone number

Emergency telephone	Tel: 01274 393286, Fax: 01274 309143 (8.30am-5pm Monday to Friday)
National emergency telephone number	NHS Direct 111 (GB) National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Met. Corr. 1 - H290
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Poly

Signal word	Danger
Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.
Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/ container in accordance with national regulations.
Contains	disodium metasilicate, Alcohols, C13-15, branched and linear, ethoxylated, sodium hydroxide
Detergent labelling	5 - < 15% non-ionic surfactants, 5 - < 15% phosphates, < 5% optical brighteners
Supplementary precautionary statements	P234 Keep only in original packaging. P260 Do not breathe vapour/ spray. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P310 Immediately call a POISON CENTER/ doctor. P312 Call a POISON CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P406 Store in a corrosion-resistant/... container with a resistant inner liner.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SODIUM CARBONATE 30-50%		
CAS number: 497-19-8	EC number: 207-838-8	REACH registration number: 01-2119485498-19-XXXX
Classification Eye Irrit. 2 - H319		
DISODIUM METASILICATE 30-50%		
CAS number: 6834-92-0	EC number: 229-912-9	REACH registration number: 01-2119449811-37-XXXX
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 STOT SE 3 - H335		

Poly

Alcohols, C13-15, branched and linear, ethoxylated	5-10%
CAS number: 157627-86-6	EC number: 931-954-4
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
SODIUM HYDROXIDE	3-5%
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-XXXX
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Get medical attention if any discomfort continues. Move affected person to fresh air at once.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. DO NOT induce vomiting. Get medical attention immediately. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention promptly if symptoms occur after washing. Chemical burns must be treated by a physician.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation	Severe irritation of nose and throat. Burns to mucous membranes
Ingestion	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting. Diarrhoea.
Skin contact	Burning pain and severe corrosive skin damage.
Eye contact	Severe irritation, burning and tearing. Corneal damage.

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

Notes for the doctor	Treat symptomatically. If in doubt, get medical attention promptly.
----------------------	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
------------------------------	---

5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting	If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
--	---

Poly

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Provide adequate ventilation. Do not touch or walk into spilled material. Inform authorities if large amounts are involved. Neutralise with dilute acid where possible

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Non-combustible corrosive substances 8B

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM CARBONATE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ resp.dust

DISODIUM METASILICATE

Short-term exposure limit (15-minute): 2 mg/m³

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit.

SODIUM CARBONATE (CAS: 497-19-8)

Ingredient comments WEL = Workplace Exposure Limits

DNEL Workers - Inhalation; Long term local effects: 10 mg/m³

PENTASODIUM TRIPHOSPHATE (CAS: 7758-29-4)

Poly

DNEL	Workers - Dermal; Short term systemic effects: 0.375 mg/kg bw/day
	Workers - Inhalation; Short term systemic effects: 0.661 mg/m ³
	Workers - Dermal; Long term systemic effects: 0.375 mg/kg bw/day
	Workers - Inhalation; Long term systemic effects: 0.661 mg/l
	General population - Dermal; Short term systemic effects: 0.375 mg/kg dw
	General population - Inhalation; Short term systemic effects: 0.66 mg/kg bw/day
	General population - Oral; Short term systemic effects: 0.75 mg/kg dw
	General population - Oral; Long term systemic effects: 0.75 mg/kg bw/day
	General population - Inhalation; Long term systemic effects: 0.661 mg/m ³

PNEC	- Fresh water; 0.005 mg/l
	- marine water; 0.005 mg/l
	- Intermittent release, Fresh water; 0.05 mg/l
	- Sediment (Freshwater); 0.19 mg/kg
	- Soil; 0.14 mg/kg

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Consumer - Inhalation; Long term local effects: 1 mg/m ³
	Workers - Inhalation; Long term local effects: 1 mg/m ³
	Industry - Inhalation; Long term local effects: 1 mg/m ³

Sodium Chloride (CAS: 7647-14-5)

DNEL	Workers - Dermal; Short term systemic effects: 295.52 mg/kg/day
	Workers - Inhalation; Short term systemic effects: 2068.62 mg/m ³
	Workers - Dermal; Long term systemic effects: 295.52 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 2068.62 mg/m ³
	General population - Dermal; Short term systemic effects: 126.65 mg/kg/day
	General population - Inhalation; Short term systemic effects: 443.28 mg/m ³
	General population - Oral; Short term systemic effects: 126.65 mg/kg/day
	General population - Oral; Long term systemic effects: 126.65 mg/kg/day
	General population - Inhalation; Long term systemic effects: 443.28 mg/m ³

PNEC	Fresh water; 5 mg/l
	Soil; 4.86 mg/kg
	STP; 500 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	Safety glasses with side-shields (EN 166).
Hand protection	Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Other skin and body protection	Provide eyewash station and safety shower. Wear suitable protective clothing (EN 14605). Long sleeved protective clothing Impervious footwear must be worn.
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	Use Dust Masks to BS2091 Type B or equivalent. Particulate filter, type P2.

Poly

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Granules.
Colour	Yellow. Brown.
Odour	Odourless.
pH	pH (diluted solution): 12.5-13.5 @ 1 %
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	Not available.
-------------------	----------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Acids.
------------	--

10.2. Chemical stability

Stability	Avoid the following conditions: Avoid contact with acids.
-----------	---

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
------------------------------------	----------------------

10.4. Conditions to avoid

Conditions to avoid	Avoid contact with water. Avoid contact with the following materials: Avoid contact with acids.
---------------------	---

10.5. Incompatible materials

Materials to avoid	Strong acids.
--------------------	---------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
----------------------------------	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	8,375.21
------------------	----------

Inhalation

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion

May cause chemical burns in mouth, oesophagus and stomach. Swallowing concentrated chemical may cause severe internal injury.

Skin contact

Causes severe burns.

Eye contact

This product is strongly corrosive. Causes severe skin burns and eye damage. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight. Immediate first aid is imperative.

Toxicological information on ingredients.

DISODIUM METASILICATE

Reproductive toxicity

Reproductive toxicity - fertility - NOAEL >159 mg/kg/day, , Rat

Reproductive toxicity - development - Developmental toxicity: - NOAEL: >200 mg/kg/day, , Mouse

Poly

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 227 mg/kg/day, Oral, Rat NOAEL 260 mg/kg/day, Oral, Mouse

PENTASODIUM TRIPHOSPHATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 4,641.0

Species Rabbit

ATE dermal (mg/kg) 4,641.0

Alcohols, C13-15, branched and linear, ethoxylated

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 500.0

Species Rat

Sodium Chloride

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,500.0

Species Rat

ATE oral (mg/kg) 3,500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 10,001.0

Species Rat

ATE dermal (mg/kg) 10,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 43.0

Species Rat

ATE inhalation (dusts/mists mg/l) 43.0

AMORPHOUS PRECIPITATED SILICON DIOXIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,101.0

Species Rat

ATE oral (mg/kg) 3,101.0

Poly

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,001.0

Species Rabbit

ATE dermal (mg/kg) 5,001.0

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL >4000 mg/kg bw/day, Oral, Rat

Bis-(triazinylamino)-stilbene disulfonic acid derivative (R0129)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,001.0

Species Rat

ATE oral (mg/kg) 5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is very toxic to aquatic organisms. The levels of environmentally hazardous materials are below the limit that would cause the preparation to be classified as Dangerous to the Environment.

12.1. Toxicity

Toxicity The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

Ecological information on ingredients.

SODIUM CARBONATE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 300 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 200-227 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: >2420 mg/l, Algae

DISODIUM METASILICATE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 124 (24h - Brachydanio rerio) mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 300 (24h) mg/l, Daphnia magna

PENTASODIUM TRIPHOSPHATE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, : >1850 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Poly

Acute toxicity - aquatic plants ErC₅₀, : 160 mg/l, Algae

Chronic aquatic toxicity

Chronic toxicity - fish early life stage LOEC, 96 hours: 5 mg/l, Fish

Alcohols, C13-15, branched and linear, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1-10 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1-10 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 1-10 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₁₀, : >1000 mg/l, Activated sludge

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, : >0.1-<1 mg/l,

SODIUM HYDROXIDE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 35-189 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 40.4 mg/l, Ceriodaphnia Dubia (Water flea)

Sodium Chloride

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 96 hours: 6750 mg/l, Fish
LC₅₀, 96 hours: 5840 mg/l, Lepomis macrochirus (Bluegill)
LC₅₀, 96 hours: 10610 mg/l, Pimephales promelas (Fat-head Minnow)
NOEC, 7 days: 4000 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 2024 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 3014 mg/l, Algae

Acute toxicity - microorganisms IC₅₀, : > 1000 mg/l, Activated sludge

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates
LOEC, 21 days: 441 mg/l, Freshwater invertebrates
NOEC, 21 days: 314 mg/l, Freshwater invertebrates

AMORPHOUS PRECIPITATED SILICON DIOXIDE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >10000 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >10000 mg/l, Daphnia magna

Bis-(triazinylamino)-stilbene disulfonic acid derivative (R0129)

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >100 mg/l, Fish, Brachydanio rerio (Zebra Fish)

Poly

Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >100 mg/l, Desmodemus subspicatus
Acute toxicity - microorganisms	EC ₅₀ , : >100 mg/l, PSEUDOMONAS PUTIDA
Acute toxicity - terrestrial	LC ₅₀ , 14 days: >5000 mg/kg, Eisenia Fetida (Earthworm)

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

Bis-(triazinylamino)-stilbene disulfonic acid derivative (R0129)

Chemical oxygen demand ~ 890 mg/g

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

Sodium Chloride

Partition coefficient log Pow: -3

12.4. Mobility in soil

Mobility Not applicable.

Ecological information on ingredients.

Sodium Chloride

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Sodium Chloride

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

EURAL Code

SECTION 14: Transport information

Road transport notes TREM CARD: LX2

Poly

14.1. UN number

UN No. (ADR/RID) 3262

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. containing Sodium Hydroxide and Disodium Trioxosilicate

Proper shipping name (IMDG) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. containing Sodium Hydroxide and Disodium Trioxosilicate

Proper shipping name (ICAO) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. containing Sodium Hydroxide and Disodium Trioxosilicate

Proper shipping name (ADN) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. containing Sodium Hydroxide and Disodium Trioxosilicate

14.3. Transport hazard class(es)

ADR/RID class 8

Transport labels



14.4. Packing group

ADR/RID packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations For storage classification, please refer to section 7.2

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Revision is due to addition of UFI number
Revision date	19/07/2021
Revision	9
Supersedes date	01/07/2021
SDS number	7519/10657

Poly

Hazard statements in full

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.