

Safety Data Sheet dated 21/11/2024, version 1

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

1.1. Product identifier

Mixture identification

Trade name: POLYS EXTRA

UFI: QX94-H09U-3007-KCX5

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

Recommended use:

Additive for laundry.

Professional use (SU22) - Washing and cleaning products (PC35)

Uses advised against:

Different uses than recommended. Do not use in combination with other products.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio

15060 Borghetto Borbera (AL) Italia

Tel. +39 0143 631.1

Competent person responsible for the safety data sheet:

regulatory.affairs@sutter.it

1.4. Emergency telephone number

+39 0143 631.1 mon-fri 9.00/17.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Only for professional use. Safety data sheet available on request.

EUH208 Contains METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE.

May produce an allergic reaction.

Preservatives: METHYLCHLOROISOTHIAZOLINONE,

METHYLISOTHIAZOLINONE

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

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Not Applicable, the product is a mixture.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification: >= 7% - < 10% 2-Pyrrolidinone, 1-ethenyl-, polymer with 1-ethenyl-1H-imidazole

CAS: 29297-55-0, EC: 677-778-9

3.2/2 Skin Irrit. 2 H315

< 0.0015% METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE Index number: 613-167-00-5. CAS: 55965-84-9

3.1/2/Inhal Acute Tox. 2 H330

3.1/2/Dermal Acute Tox. 2 H310

3.1/3/Oral Acute Tox. 3 H301

3.2/1C Skin Corr. 1C H314

3.3/1 Eye Dam. 1 H318

3.4.2/1A Skin Sens. 1A H317

4.1/A1 Aquatic Acute 1 H400 M=100.

4.1/C1 Aquatic Chronic 1 H410 M=100.

EUH071

Specific Concentration Limits:

C >= 0,6%: Eye Dam. 1 H318

C >= 0,6%: Skin Corr. 1C H314

0,06% <= C < 0.6%: Skin Irrit. 2 H315

0,06% <= C < 0.6%: Eye Irrit. 2 H319

C >= 0,0015%: Skin Sens. 1A H317

Acute Toxicity Estimate:

ATE - Oral 100 mg/kg bw

ATE - Dermal 50 mg/kg bw

ATE - Inhalation (Dust/mist) 0,31 mg/l

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of Ingestion:

Do not under any circumstances induce vomiting, OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:



Remove casualty to fresh air and keep warm and at rest.

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

Until revison date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

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

Treatment:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water. To converge the product in containment tanks.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities



Store away from sunlight.

Store in a cool and well ventilated place.

Do not store in open or unlabeled containers.

Store away from heat sources.

Keep away from food, drink and feed.

Incompatible materials:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular, see paragraph 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Until the revision date of this document, no experimental data are available for the mixture. elow, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.

No occupational exposure limit available

DNEL Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.

Not applicable

PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

Not applicable

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Environmental exposure controls:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 6.2.

Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties



Properties	Value	Method:	Notes:
Physical state:	Liquid	Visual	
Colour:	Yellow	Visual	
Odour:	Technical	Olfactory	Absence of fragrances
Odour threshold:	Evident	Olfactory	
Melting point/freezing point:	Not Relevant		Parameter not relevant for the type of product
Boiling point or initial boiling point and boiling range:	>= 100 °C		Estimated value on chemical / physical properties of components
Flammability:	Non-flammabl e		Estimated parameter on chemical / physical properties of components.
Lower and upper explosion limit:	Not Relevant		Parameter not relevant for the type of product
Flash point:	> 60 ° C		Estimated value on chemical / physical properties of components
Auto-ignition temperature:	Not Relevant		Parameter not relevant for the type of product
Decomposition temperature:	Not Relevant		Parameter not relevant for the type of product
pH:	7,8 +/- 0,5	Instrumental control	
Kinematic viscosity:	Not Relevant		Parameter not relevant. Not viscous mixture.
Solubility in water:	Total		Internal tests
Solubility in oil:	None		Internal tests
Partition coefficient n-octanol/water (log value):	< 1000		Value estimated based on the solubility of the mixture.
Vapour pressure:	Not Relevant		Parameter not relevant for the type of product
Density and/or relative density:	1.016 g/ml	Instrumental control	
Relative vapour density:	Not Relevant		Parameter not relevant for the type of product

Particle characteristics:

Particle size:	Not Relevant	 Parameter not relevant for the
		type of product

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Do not use in combination with other products.

10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

10.3. Possibility of hazardous reactions

In normal conditions no dangerous reactions of the mixture



Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also scetion 7.2.

10.4. Conditions to avoid

Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

Avoid direct sunlight and exposure to heat sources.

10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Do not use in combination with other products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological information of the product:

POLYS EXTRA

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

2-Pyrrolidinone, 1-ethenyl-, polymer with 1-ethenyl-1H-imidazole - CAS: 29297-55-0 a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg



b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Source: OECD 404

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Negative - Source: OECD 405)

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) acute toxicity

ATE - Oral 100 mg/kg bw

ATE - Dermal 50 mg/kg bw

ATE - Inhalation (Dust/mist) 0,31 mg/l

Test: LC50 - Route: Inhalation Dust - Species: Rat = 0.31 mg/l - Duration: 4h

Test: ATE - Route: Skin - Species: Rat = 50 mg/kg Test: ATE - Route: Oral - Species: Rat = 100 mg/kg

b) skin corrosion/irritation:

Test: Skin Corrosive Positive

c) serious eye damage/irritation:

Test: Eve Corrosive Positive

d) respiratory or skin sensitisation:

Test: Skin Sensitization Positive

e) germ cell mutagenicity:

Negative

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

POLYS EXTRA

Not classified for environmental hazards

Based on available data, the classification criteria are not met

2-Pyrrolidinone, 1-ethenyl-, polymer with 1-ethenyl-1H-imidazole - CAS: 29297-55-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Brachydanio rerio Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: OECD 202

e) Plant toxicity:

Endpoint: EC50 > 100 mg/l - Duration h: 72

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE - CAS: 55965-84-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.58 mg/l - Duration h: 96 - Notes: Danio Rerio Endpoint: EC50 - Species: Daphnia = 1.02 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 0.379 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

Endpoint: EC10 - Species: Algae = 0.188 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 0.5 mg/l - Duration h: 816 - Notes: Danio Rerio

Endpoint: NOEC - Species: Algae = 0.032 mg/l - Duration h: 96 - Notes:

Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture.



Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

2-Pyrrolidinone, 1-ethenyl-, polymer with 1-ethenyl-1H-imidazole - CAS: 29297-55-0 Biodegradability: Non-readily biodegradable

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

2-Pyrrolidinone, 1-ethenyl-, polymer with 1-ethenyl-1H-imidazole - CAS: 29297-55-0 Bioaccumulation: Not bioaccumulative

12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture. Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

Not applicable

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Do not discharge into the ground or into drains.

See also section 6.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

ADR-Enviromental Pollutant: No IMDG-Marine pollutant: No

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments Not applicable

SECTION 15: Regulatory information



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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions:

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

A Chemical Safety Assessment has been carried out for the mixture.

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H330 Fatal if inhaled.

H310 Fatal in contact with skin.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.



H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

H319 Causes serious eye irritation.

Hazard class and	Code	Description
hazard category		
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of

Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical

Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EC0/10/20/50/ Effective concentration, for 0/10/20/50/100 percent of test population.

100:

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of

Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport

Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"

(ICAO).

IMDG: International Maritime Code for Dangerous Goods. INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.



LC0/10/20/50/ Lethal concentration, for 0/10/20/50/100 percent of test population.

100:

LD0/10/20/50/ Lethal dose, for 0/10/20/50/100 percent of test population.

100:

NOEC: No Observed Effect Concentration

NOAEL(R)/N No Observed Adverse Effect Level(Repeated)/Concentration

OAEC:

OECD: Organisation for Economic Co-operation and Development

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods

by Rail.

STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average
WGK: German Water Hazard Class.



ANNEX I

PROFESSIONAL PRODUCT - LAUNDRY or AUTOMATIC DISHWASH DETERGENT

Title of exposure scenario				
Detergent for general cleaning: Manual or machine process.				
Use description				
Sector Use	SU22 – Professional use			
Product Category	PC35 – Washing and cleaning products (including			
	solvent based products)			
Description of activities/process considered on exposure scenario.				
Use the recommended dose according to water hardness and degree of soiling, following the instructions on the label or technical data sheet.				
Frequency and duration				
Use phase	1 or more times a day. Duration depends on washing program.			
Relevant limit values of ingredients, if available, are	e stated in section 8 of the SDS.			
Physical appearence and concentration				
Liquid or powder. To dilute.				
In section 2 of the SDS of product and on the label				
Mixture classification is based on ingredients classification and on chemical/physical properties stated in				
section 9 of the SDS of product.				
Use conditions				
Room temperature /for recommended washing tem	perature see label or tecnica sheet.			
Protection				
See section 8 of the SDS of product to more	Training of worker to use and maintenance of PPE is			
information on PPE.	supposed.			
Don't eat or drink, don't smoke.	Avoid contact with damaged skin.			
No open flame.	Do not use in combination with other products			
Wash hand after use.				
In case of accidental release: dilute with water and dry.				
Follow use instruction as specified on the label or on technical sheet. Use good occupational hygiene				
practices as specified in section 7 on the SDS.				
Environmental measures				
See section 6 of the SDS in case of accidental release				
See section 12 of the SDS for ecotoxicological information of mixture and dangerous ingredients.				
See section 13 of the SDS for disposal considerations.				

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment