

Safety Data Sheet dated 7/2/2019, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Mixture identification Trade name: STAIN ACTION 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)

Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects: No other hazards 2.2. Label elements Hazard pictograms:



Warning Hazard statements: H319 Causes serious eye irritation. Precautionary statements: P280 Wear eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. Special Provisions: EUH210 Only for professional use. Safety data sheet available on request. Product contents:

oxygen-based bleaching agents phosphonates Special provisions according to Annex XVII of REACH and subsequent amendments: None

0442300CLP/1 Page n. 1 of12



2.3. Other hazards vPvB Substances: None - PBT Substances: None Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Applicable, the product is a mixture.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification: >= 15% - < 20% 6-(phthalimido)peroxyhexanoic acid

REACH No.: 01-0000015833-68, Index number: 617-019-00-0, CAS: 128275-31-0, EC: 410-850-8

2.15/D Org. Perox. D H242

🍄 🛛 3.3/1 Eye Dam. 1 H318

4.1/A1 Aquatic Acute 1 H400

4.1/C3 Aquatic Chronic 3 H412

>= 1% - < 3% (1-HYDROXYETHYLIDENE)BISPHOSPHONIC ACID, SODIUM SALT REACH No.: 01.2119510382-52, CAS: 29329-71-3, EC: 249-559-4

3.1/4/Oral Acute Tox. 4 H302

2.16/1 Met. Corr. 1 H290

🍄 🛛 3.3/1 Eye Dam. 1 H318

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

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

0442300CLP/1 Page n. 2 of12



Acute effects:

Severe skin and eye irritation for contact.

Irritation interior system if swallowed.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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 Wear personal protection equipment.
 - Remove persons to safety.

See protective measures under point 7 and 8.

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.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

0442300CLP/1 Page n. 3 of12



Contamined clothing should be changed before entering eating areas. Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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. Keep away from food, drink and feed. Incompatible materials: Alkalines, Chlorine based oxidising, flammable, combustible. See section 10. 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.

6-(phthalimido)peroxyhexanoic acid - CAS: 128275-31-0

National - TWA: 3 mg/m3

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.

(1-HYDROXYETHYLIDENE)BISPHOSPHONIC ACID, SODIUM SALT - CAS: 29329-71-3 Consumer: 6.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 6.5 - Exposure: Human Oral - Frequency: Short Term, systemic effects 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.

(1-HYDROXYETHYLIDENE)BISPHOSPHONIC ACID, SODIUM SALT - CAS: 29329-71-3

Target: Marine water - Value: 0.014 mg/l

Target: Fresh Water - Value: 0.134 mg/l

Target: Microorganisms in sewage treatments - Value: 20 mg/l

Target: Marine water sediments - Value: 5.9 mg/l

Target: Freshwater sediments - Value: 59 mg/kg

Target: Soil (agricultural) - Value: 41 mg/kg

Target: Food chain - Value: 12000 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.(EN 166)

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton (EN 14605 in case of splashes or EN 13982 in case of dust)

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (ex. EN 388 - EN 374 protection factor 6, corresponding to a breakthrough time >480 minutes).



Due to great diversity of types, observe the operating instructions of the manufacturer with respect to substances listed in paragraph 3.2.

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:
Appearance and colour:	Opaque liquid, white	Visual	
Odour:	Technical	Olfactory	
Odour threshold:	Evident	Olfactory	
pH:	3,5 +/-0,5	Instrumental control	
Melting point / freezing point:	75°C		
Initial boiling point and boiling range:	Not Relevant		Parameter not relevant for the type of product
Flash point:	>60 ° C		Estimated value on chemical / physical properties of components
Evaporation rate:	Not Relevant		Parameter not relevant for the type of product
Solid/gas flammability:	Not Relevant		Parameter not relevant for the type of product
Upper/lower flammability or explosive limits:	Not Relevant		Parameter not relevant for the type of product
Vapour pressure:	Not Relevant		Parameter not relevant for the type of product
Vapour density:	Not Relevant		Parameter not relevant for the type of product
Relative density:	1.05 g/ml	Instrumental control	
Solubility in water:	Total		Internal tests
Solubility in oil:	Partial		
Partition coefficient (n-octanol/water):	<1000		Value estimated based on the solubility of the mixture.
Auto-ignition temperature:	470°C		Estimated value on chemical / physical properties of components

0442300CLP/1 Page n. 5 of12



Decomposition temperature:	>80°C		Estimated value on chemical / physical properties of components
Viscosity:	600 +/- 150 cP	Instrumental control	
Explosive properties:	Not Relevant		Parameter not relevant for product composition.
Oxidizing properties:	Not Relevant		Parameter not relevant for product composition.

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant		Parameter not relevant for the type of product
Fat Solubility:	Not Relevant		Parameter not relevant for the type of product
Conductivity:	Not Relevant		Parameter not relevant for the type of product
Substance Groups relevant properties	Not Relevant		Parameter not relevant for the type of product

SECTION 10: Stability and reactivity

10.1. Reactivity

Do not use in combination with other 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.

- 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 Avoid direct sunlight and exposure to heat sources. Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2
- 10.5. Incompatible materials

Alkalines, Chlorine based oxidising, flammable, combustible.

10.6. Hazardous decomposition productsOxygen.Do not use in combination with other products.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
- Toxicological information of the product:
 - STAIN ACTION
 - a) acute toxicity Not classified

0442300CLP/1 Page n. 6 of12



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 The product is classified: Eye Irrit. 2 H319 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. 6-(phthalimido)peroxyhexanoic acid - CAS: 128275-31-0 a) acute toxicity: Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg - Source: OECD 401 Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg c) serious eye damage/irritation: Test: Eye Corrosive Positive d) respiratory or skin sensitisation: Test: Skin or Resp. Sensitization Negative g) reproductive toxicity: Test: Reproductive Toxicity Negative i) STOT-repeated exposure: Test: Repeated exposure - Species: Rat = 100 mg/kg - Duration: 28 days (1-HYDROXYETHYLIDENE)BISPHOSPHONIC ACID, SODIUM SALT - CAS: 29329-71-3 a) acute toxicity: Test: LD50 - Route: Oral - Species: Rat = 1100 mg/kg - Source: OECD 401 Test: LC50 - Route: Skin - Species: Rat > 5000 mg/kg - Source: OECD 402 b) skin corrosion/irritation: Test: Skin Irritant - Route: Skin Negative c) serious eye damage/irritation: Test: Eye Irritant Positive d) respiratory or skin sensitisation: Negative



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.

STAIN ACTION

Not classified for environmental hazards

Based on available data, the classification criteria are not met

6-(phthalimido)peroxyhexanoic acid - CAS: 128275-31-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.4 mg/l - Duration h: 96 - Notes: Brachydanio rerio Endpoint: NOEC - Species: Fish = 0.1 mg/l - Duration h: 96 - Notes: Brachydanio rerio Endpoint: EC50 - Species: Daphnia = 17.6 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: NOEC - Species: Daphnia = 8.9 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 1.3 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: Algae = 0.30 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Endpoint: EC50 - Species: Microorganisms / Effect on activated sludge: = 100 ml/l - Notes: Pseudomonas aerginosa

- (1-HYDROXYETHYLIDENE)BISPHOSPHONIC ACID, SODIUM SALT CAS: 29329-71-3
 - a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Salmo gairdneri Endpoint: EC50 - Species: Daphnia > 170 mg/l - Duration h: 96 - Notes: Daphnia magna

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.

6-(phthalimido)peroxyhexanoic acid - CAS: 128275-31-0

Biodegradability: Readily biodegradable - Duration: 28 days - %: 70

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.

6-(phthalimido)peroxyhexanoic acid - CAS: 128275-31-0

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. Other adverse effects

0442300CLP/1 Page n. 8 of12



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

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. Transport in bulk according to Annex II of Marpol and the IBC Code 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) 2015/830 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) 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):

0442300CLP/1 Page n. 9 of12



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.

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:

H242 Heating may cause a fire.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
H302 Harmful if swallowed.
H290 May be corrosive to metals.

Hazard class and	Code	Description
hazard category		
Org. Perox. D	2.15/D	Organic peroxide, Type D
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals,
		Category 1
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2, H319	Calculation method

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.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).

0442300CLP/1 Page n. 10 of12



CLP: DNEL: EC0/10/20/50/ 100:	Classification, Labeling, Packaging. Derived No Effect Level. Effective concentration, for 0/10/20/50/100 percent of test population.
EINECS: GefStoffVO: GHS:	European Inventory of Existing Commercial Chemical Substances. Ordinance on Hazardous Substances, Germany. Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: IATA-DGR:	International Air Transport Association. Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: ICAO-TI:	International Civil Aviation Organization. Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: INCI:	International Maritime Code for Dangerous Goods. International Nomenclature of Cosmetic Ingredients.
KSt: LC0/10/20/50/ 100:	Explosion coefficient. Lethal concentration, for 0/10/20/50/100 percent of test population.
LD0/10/20/50/ 100:	Lethal dose, for 0/10/20/50/100 percent of test population.
NOEC: NOAEL(R)/N OAEC:	No Observed Effect Concentration No Observed Adverse Effect Level(Repeated)/Concentration
OECD: PNEC: RID:	Organisation for Economic Co-operation and Development Predicted No Effect Concentration. Regulation Concerning the International Transport of Dangerous Goods
STEL: STOT: TLV: TWA: WGK:	by Rail. Short Term Exposure limit. Specific Target Organ Toxicity. Threshold Limiting Value. Time-weighted average German Water Hazard Class.



ANNEX I PROFESSIONAL TRIGGER PRODUCT

Detergent for general cleaning: Manual 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 ex	posure scenario.
If required, transfer product from canister to trigge	er bottle.
Use following the use instruction as specified on th	ne label.
Leave on.	
Rinse, if necessary.	
Frequency and duration	
Use phase Daily, depending on room size and room dirty conditions.	
Relevant limit values of ingredients, if available, are	e stated in section 8 of the SDS.
Physical appearence and concentration	
Liquid. To diluite or ready to use.	
In section 2 of the SDS of product and on the label	the classification of mixture is provided.
Mixture classification is based on ingredients classi	ification and on chemical/physical properties stated in section 9
of the SDS of product.	
Use conditions	
Room temperature	
Good general ventilation at workplace is sufficient.	
Protection	
Avoid spray inhalation.	
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	
See section 6 of the SDS in case of accidental release	
-	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 inf	
See section 13 of the SDS for disposal considerat	ions.

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment