

Safety Data Sheet dated 14/11/2017, version 1

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

1.1. Product identifier Mixture identification Trade name: LAUNDRY CLEANER 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use: Detergent for washing machines. Professional use (SU22) Products for washing and cleaning (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, Skin Irrit. 2, Causes skin irritation.



Adverse physicochemical, human health and environmental effects:

No other hazards 2.2. Label elements Hazard pictograms:



Danger Hazard statements: H315 Causes skin irritation. H318 Causes serious eye damage. Precautionary statements: P264 Wash hands thoroughly after handling. P280 Wear protective gloves and 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. P310 Immediately call a POISON CENTER or doctor/physician. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

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Contains ALKYL POLYGLYCOL E	sional use. Safety data sheet available on request. THER C12-18 E C12-14, SODIUM SALT			
Product contents: anionic surfactants soap, non-ionic surfactants The product also contains: Preservatives: Special provisions according to None	5 - 15 % < 5 % Perfumes METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE, N-(3-AMINOPROPYL)-N-DODECYLPROPAN-1,3-DIAMINE Annex XVII of REACH and subsequent amendments:			
2.3. Other hazards vPvB Substances: None - PBT Substances: None Other Hazards: No other hazards				
>= 10% - < 12.5% ALKY	uct is a mixture. within the meaning of the CLP regulation and related classification: 'L ETHER SULFATE C12-14, SODIUM SALT 119488639-16, CAS: 68891-38-3, EC: 500-234-8 315 uronic 3 H412			
CAS: 68213-23-0, 3.1/4/Oral Acute To	ox. 4 H302			
 				
>= 3% - < 5% POTASSI CAS: 61789-30-8, () 3.3/2 Eye Irrit. 2 H3	UM COCOATE EC: 263-049-9			
() 3.2/2 Skin Irrit. 2 H	315			
SECTION 4: First aid measures				

SECTI

4.1. Description of first aid measures In case of skin contact: Immediately take off all contaminated clothing.

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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. OBTAIN IMMEDIATE MEDICAL ATTENTION.

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 eves 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 uniniured eve.
- 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
 - Acute effects:

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.
 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:

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. 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.

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.

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3

Worker Industry: 2750 mg/kg - Consumer: 1650 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 175 mg/m3 - Consumer: 52 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 15 mg/kg - Exposure: Human Oral - Frequency: Long 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.

ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3

Target: Marine water - Value: 0.024 mg/l

Target: Microorganisms in sewage treatments - Value: 10000 mg/l

Target: Marine water sediments - Value: 0.09168 mg/kg

Target: Soil (agricultural) - Value: 7.5 mg/kg

Target: Freshwater sediments - Value: 0.9168 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. (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:

The product is not dangerous for the environment - see section 2.1.

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

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:	Fresh	Olfactory	
Odour threshold:	Evident	Olfactory	
pH:	8,7 +/- 0,5	Instrumental control	
Melting point / freezing point:	Not Relevant		Parameter not relevant for the type of product
Initial boiling point and boiling range:	>= 100 °C		Estimated value on chemical / physical properties of components
Flash point:	>65 ° 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:	1.045 g/ml	Instrumental control	
Solubility in water:	Total		Internal tests
Solubility in oil:	Partial		Internal tests
Partition coefficient (n-octanol/water):	< 1000		Value estimated based on the solubility of the mixture.
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
Viscosity:	600 +/-100 cPS	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

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 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

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

- 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.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Toxicological information of the product:
LAUNDRY CLEANER
a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
c) serious eye damage/irritation
The product is classified: Eye Dam. 1 H318
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.
ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3
a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Source: OECD 402
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401
b) skin corrosion/irritation: Test: Skin Irritant - Route: Skin - Species: Rabbit Positive - Source: OECD 404
c) serious eye damage/irritation:
Test: Eye Corrosive - Species: Rabbit Positive - Source: OECD 405
d) respiratory or skin sensitisation:
a, roopilatory of oran contribution.

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Test: Skin or Resp. Sensitization Negative - Source: OECD 406 e) germ cell mutagenicity: Test: Mutagenesis Negative - Source: Ames Test ALKYL POLYGLYCOL ETHER C12-18 - CAS: 68213-23-0 a) acute toxicity: Test: LC50 - Route: Oral - Species: Rat > 300 mg/kg - Source: OECD 401 b) skin corrosion/irritation: Test: Skin Irritant - Route: Skin Negative - Source: OECD 404 c) serious eye damage/irritation: Test: Eye Corrosive Positive - Source: OECD 405 e) germ cell mutagenicity: Test: Mutagenesis 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. LAUNDRY CLEANER Not classified for environmental hazards Based on available data, the classification criteria are not met ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3 a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish > 10 mg/l - Notes: Leuciscus idus Endpoint: EC50 - Species: Daphnia > 10 mg/l - Notes: Daphnia magna Endpoint: EC50 - Species: Algae > 100 mg/l - Notes: Scenedesmus subspicatus b) Aquatic chronic toxicity: Endpoint: NOEC - Species: Fish > 1 mg/l - Notes: Leuciscus idus Endpoint: NOEC - Species: Daphnia > 0.1 mg/l - Notes: Daphnia magna c) Bacteria toxicity: Endpoint: EC0 - Species: Microorganisms / Effect on activated sludge: > 100 mg/l -Notes: Pseudomonas putida ALKYL POLYGLYCOL ETHER C12-18 - CAS: 68213-23-0 a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish > 1 mg/l - Notes: Leuciscus idus Endpoint: EC50 - Species: Daphnia > 1 mg/l - Notes: Daphnia magna Endpoint: EC50 - Species: Algae > 1 mg/l - Notes: Scenedesmus subspicatus c) Bacteria toxicity: Endpoint: EC0 - Species: Microorganisms / Effect on activated sludge: > 100 mg/l -Notes: Pseudomonas putida d) Terrestrial toxicity: No data available for the product e) Plant toxicity: Endpoint: EC10 - Species: Algae > 0.1 mg/l - Notes: Scenedesmus subspicatus 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. ALKYL ETHER SULFATE C12-14, SODIUM SALT - CAS: 68891-38-3 Biodegradability: Readily biodegradable ALKYL POLYGLYCOL ETHER C12-18 - CAS: 68213-23-0 Biodegradability: Readily biodegradable

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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.

Not applicable 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 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. Send to authorised disposal plants or for incineration under controlled conditions. 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-Environmental 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)

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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) 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.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
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
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
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	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.

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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
CLP:	Society). Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EC0/10/20/50/100:	Effective concentration, for 0/10/20/50/100 percent of test population.
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.
LC0/10/20/50/100:	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:	No Observed Effect Concentration
NOAEL(R)/NOAEC:	No Observed Adverse Effect Level(Repeated)/Concentration
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 process.			
Use description			
Sector Use SU22 – Professional use			
Product Category	PC35 – Cleaning and washing product (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, a	re 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 labe	I the classification of mixture is provided.		
Mixture classification is based on ingredients clas	sification and on chemical/physical properties stated in		
section 9 of the SDS of product.			
Use conditions			
Room temperature /for recommended washing temperature see label or tecnica sheet.			
Protezione			
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