

# **OVER** SOURS LAUNDRY RINSE ADDITIVE Safety Data Sheet

## Safety Data Sheet

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

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Date first issue: 01/08/2009 Review date: 18/01/2021 Supersedes version of: 26/03/2015 Version: 7.0

1.1. Product identi	fier				
Product form		: Mixture			
Product name		: SOURS LAUNDRY RINSE ADDITIVE			
Product code		: 521			
Product group		: Mixture			
1.2. Relevant ident	ified uses of the substand	e or mix	xture and uses advis	sed against	
1.2.1. Relevant identi	ified uses				
Industrial/Professional	use spec	: Industri For pro	ial fessional use only		
Use of the substance/mixture : Cleaning/washing agents and additives					
1.2.2. Uses advised a	against				
No additional informat	•				
Clover Chemicals Ltd Clover House Macclesfield Road SK23 7DQ Whaley Br T 01663 733114 - F 0 info@cloverchemicals	1663 733115 . <u>com</u> - <u>www.cloverchemicals.co</u>				
1.4. Emergency tel				-	
Country	Official advisory body		Address	Emergency numb	er Comment
Ireland	National Poisons Information Beaumont Hospital	Centre	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professio 24/7) +353 1 809 2166 (pul 8am - 10pm, 7/7)	

Dudley Road

B18 7QH Birmingham

### **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Skin Corr. 1	H314
Aquatic Chronic 3	H412

National Poisons Information Service

Full text of hazard classes and H-statements : see section 16

#### Adverse physicochemical, human health and environmental effects No additional information available

(Birmingham Centre)

City Hospital

#### 2.2. Label elements

United Kingdom

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP)

GHS05 : Danger

CLP Signal word Contains Hazard statements (CLP)

- : Isotridecanol, ethoxylated; Phosphoric acid; Fatty alcohol ethoxylate

0344 892 0111

- : H314 Causes severe skin burns and eye damage.
- H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP)	<ul> <li>P102 - Keep out of reach of children.</li> <li>P280 - Wear eye protection, protective gloves.</li> <li>P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li> <li>P315 - Get immediate medical advice/attention.</li> <li>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water or shower.</li> <li>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337+P313 - If eye irritation persists: Get medical advice/attention.</li> <li>P361 - Take off immediately all contaminated clothing.</li> <li>P363 - Wash contaminated clothing before reuse.</li> </ul>
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#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
Isotridecanol, ethoxylated (69011-36-5)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

### Not applicable

## 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phosphoric acid substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	(CAS-no) 7664-38-2 (Einecs nr) 231-633-2 (EG annex nr) 015-011-00-6 (REACH-no) 01-2119485924-24	10 – 30	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314
Isotridecanol, ethoxylated	(CAS-no) 69011-36-5 (Einecs nr) 931-138-8 (EG annex nr) / (REACH-no) Exempted	1 – 3	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg) Eye Dam. 1, H318
Fatty alcohol ethoxylate	(CAS-no) 160875-66-1 (Einecs nr) 605-233-7 (EG annex nr) /	1 – 3	Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Eye Dam. 1, H318
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	(CAS-no) 68424-85-1 (Einecs nr) 270-325-2	0.1 – 1	Acute Tox. 4 (Oral), H302 (ATE=795 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Phosphoric acid	(CAS-no) 7664-38-2 (Einecs nr) 231-633-2 (EG annex nr) 015-011-00-6 (REACH-no) 01-2119485924-24	( 10 ≤C < 25) Skin Irrit. 2, H315 ( 10 ≤C < 25) Eye Irrit. 2, H319 ( 25 ≤C < 100) Skin Corr. 1B, H314

Full text of H-statements: see section 16

## SECTION 4: First aid measures 4.1. Description of first aid measures

General advice

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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Inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects	, both acute and delayed
Acute effects inhalation	: Inhalation may cause irritation, cough, shortness of breath.
Acute effects skin	: Causes severe burns.
Acute effects eyes	: Causes serious eye damage.
Acute effects oral route	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Abdominal pain, nausea.
<b>4.3. Indication of any immediate medical a</b> No additional information available	ttention and special treatment needed
SECTION 5: Firefighting measures 5.1. Extinguishing media	
Suitable extinguishing media	: Water.
5.2. Special hazards arising from the subs Hazardous decomposition products in case of fire	tance or mixture : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Corrosive vapours.
5.3. Advice for firefighters Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measu 6.1. Personal precautions, protective equi	
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions Prevent entry to sewers and public waters. Notify a	authorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
6.4. Reference to other sections See Heading 8. Exposure controls and personal pr	otection.
SECTION 7: Handling and storage	
<b>7.1. Precautions for safe handling</b> Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
7.2. Conditions for safe storage, including Storage conditions	any incompatibilities : Keep container tightly closed.

### Incompatible products Packaging materials

: Strong bases. : polyethylene. stainless steel. glass.

## 7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

#### Phosphoric acid (7664-38-2)

EU - Indicative Occupational Exposure Limit (IOEL)	
Local name Orthophosphoric acid	
IOEL TWA	1 mg/m <sup>3</sup>

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Phosphoric acid (7664-38-2)		
IOEL STEL	2 mg/m <sup>3</sup>	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom - Occupational Exposure Limits		
Local name	Orthophosphoric acid	
WEL TWA (OEL TWA) [1]	1 mg/m <sup>3</sup>	
WEL STEL (OEL STEL)	2 mg/m <sup>3</sup>	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

## Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

Eye protection:	
Chemical goggles or safety glasses	

#### 8.2.2.2. Skin protection

#### Protective equipment:

Wear suitable protective clothing. Acid-resistant clothing

#### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

No additional information available

#### 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chem			
Physical state	: Liquid		
Colour	: Colourless.		
Physical state/form	: Liquid.		
Odour	: odourless.		
Odour threshold	: Not available		
Melting point/range	: 0 °C		
Freezing point	: Not available		
Boiling point/Boiling range	: 100 °C		
Flammability	: Non flammable.		
Explosive limits	: Not available		
Lower explosive limit (LEL)	: Not available		
Upper explosive limit (UEL)	: Not available		
Flash point	: Not available		
Autoignition temperature	: Not available		
Decomposition temperature	: Not available		
рН	: 0 – 1.5		
Viscosity, kinematic	: Not available		
Solubility	: Soluble in water.		
Partition coefficient n-octanol/water (Log Kow)	: Not available		
Vapour pressure	: Not available		
Vapour pressure at 50 °C	: Not available		
Density	: Not available		
Relative density	: 1.15		
Relative vapour density at 20 °C	: Not available		
Particle size	: Not applicable		
Particle size distribution	: Not applicable		
Particle shape	: Not applicable		
Particle aspect ratio	: Not applicable		
Particle aggregation state	: Not applicable		
Particle agglomeration state	: Not applicable		
Particle specific surface area	: Not applicable		
Particle dustiness	: Not applicable		
9.2. Other information			

**9.2.1. Information with regard to physical hazard classes** No additional information available

### 9.2.2. Other safety characteristics

VOC content	-	: 0 g/l
VOO COMON		. o g/i

## SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
No additional information available
10.5. Incompatible materials
Strong bases.
10.6. Hazardous decomposition products
fume. Carbon monoxide. Carbon dioxide.
SECTION 11: Toxicological information

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

Acute toxicity (oral)
Acute toxicity (dermal)

: Not classified : Not classified

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Acute toxicity (inhalation) : Not classified Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1) LD50 oral rat 795 mg/kg Isotridecanol, ethoxylated (69011-36-5) LD50 oral rat > 300 (≤ 2000) mg/kg I D50 dermal rabbit > 2000 mg/kg Fatty alcohol ethoxylate (160875-66-1) LD50 oral rat > 300 (300 - 2000) mg/kg LD50 dermal rat > 2000 mg/kg Phosphoric acid (7664-38-2) LD50 oral rat > 300 mg/kg bodyweight I D50 dermal 2740 mg/kg bodyweight Skin corrosion/irritation : Causes severe skin burns. pH: 0 - 1.5Serious eye damage/irritation : Assumed to cause serious eye damage pH: 0 – 1.5 Respiratory or skin sensitisation : Not classified Additional information : Based on available data, the classification criteria are not met Germ cell mutagenicity : Not classified Additional information : Based on available data, the classification criteria are not met Carcinogenicity : Not classified Additional information : Based on available data, the classification criteria are not met Reproductive toxicity : Not classified Additional information : Based on available data, the classification criteria are not met STOT-single exposure : Not classified Additional information : Based on available data, the classification criteria are not met Isotridecanol, ethoxylated (69011-36-5) NOAEL (oral, rat) > 250 mg/kg bodyweight : Not classified STOT-repeated exposure Additional information : Based on available data, the classification criteria are not met

 Phosphoric acid (7664-38-2)

 NOAEL (oral, rat, 90 days)
 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

 Aspiration hazard
 : Not classified

 Additional information
 : Based on available data, the classification criteria are not met

 11.2. Information on other hazards
 :

 11.2.1. Endocrine disrupting properties
 :

 11.2.2 Other information
 :

 Potential adverse human health effects and symptoms
 :

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SECTION 12: Ecological information 12.1. Toxicity	
Ecology - water	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

#### Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)

LC50 - Fish [1]	0.85 mg/l
EC50 - Crustacea [1]	0.016 mg/l
EC50 72h - Algae [1]	0.02 mg/l
NOEC chronic crustacea	0.025 mg/l

Isotridecanol, ethoxylated (69011-36-5)	
LC50 - Fish [1]	> 1 mg/l
EC50 - Crustacea [1]	> 1 mg/l
ErC50 algae	1 – 10 mg/l

Fatty alcohol ethoxylate (160875-66-1)	
EC50 - Crustacea [1]	> 10 mg/l
ErC50 algae	> 10 mg/l
NOEC chronic fish	> 1 mg/l

Phosphoric acid (7664-38-2)	
LC50 - Fish [1]	3 – 3.25 mg/l
EC50 - Crustacea [1]	> 100 mg/l (OESO 202 (ECHA))
EC50 - Other aquatic organisms [1]	> 100 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 100 mg/l
EC50 72h - Algae [1]	<ul> <li>&gt; 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)</li> </ul>
NOEC chronic algae	100 mg/l
12.2. Persistence and degradability	
SOURS LAUNDRY RINSE ADDITIVE	
Persistence and degradability	Biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)		
Persistence and degradability	Biodegradable.	
Biodegradation	> 90 %	
Isotridecanol, ethoxylated (69011-36-5)		

of a detergent manufacturer.

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

Persistence and degradability Readily biodegradable, according to appropriate OECD test. Not established.	
Fatty alcohol ethoxylate (160875-66-1)	
Persistence and degradability	Biodegradable.

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according to Regulation (EC) No. 1907/2006 (REACH) with	its amendment Regulation (EU) 2020/878		
12.3. Bioaccumulative potential			
SOURS LAUNDRY RINSE ADDITIVE			
Bioaccumulative potential	No bioaccumulation.		
Quaternary ammonium compounds, benzy	I (C12 - C16) alkyl dimethyl, chlorides	(68424-85-1)	
Partition coefficient n-octanol/water (Log Kow)	2.88		
Bioaccumulative potential	No bioaccumulation.		
Isotridecanol, ethoxylated (69011-36-5)			
Bioaccumulative potential	No bioaccumulation. Not established.		
Fatty alcohol ethoxylate (160875-66-1)			
Bioaccumulative potential	No bioaccumulation.		
Phosphoric acid (7664-38-2)			
Log Pow	-0.77		
<ul><li>12.4. Mobility in soil</li><li>No additional information available</li><li>12.5. Results of PBT and vPvB assessment</li></ul>	t		
SOURS LAUNDRY RINSE ADDITIVE			
This substance/mixture does not meet the PBT crite	eria of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB crit	eria of REACH regulation, annex XIII		
Component			
Isotridecanol, ethoxylated (69011-36-5)	PBT: not relevant – no registration require vPvB: not relevant – no registration require		
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	- This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
<b>12.6. Endocrine disrupting properties</b> No additional information available			
<b>12.7. Other adverse effects</b> Additional information	: Avoid release to the environment.		
SECTION 13: Disposal considerations 13.1. Waste treatment methods Product/Packaging disposal recommendations Waste / unused products	: Dispose in a safe manner in accordance to the environment.	with local/national regulations.	
SECTION 14: Transport information In accordance with ADR / IMDG / IATA			
ADR	IMDG	ΙΑΤΑ	
14.1. UN number or ID number			

UN 3264	UN 3264	UN 3264
14.2. UN proper shipping name		
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	Corrosive liquid, acidic, inorganic, n.o.s.
Transport document description		
UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid (24%)), 8, III, (E)	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid (24%)), 8, III	UN 3264 Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid (24%)), 8, III

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14.3. Transport hazard class(es)		
8	8	8
8	8	8
4.4. Packing group		
111	III	III
4.5. Environmental hazards		I
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
lo supplementary information available		·
4.6. Special precautions for user		
overland transport		
lassification code (ADR)	: C1	
pecial provisions (ADR)	: 274	
mited quantities (ADR)	: 51	
acking instructions (ADR)	: P001, IBC03, LP01, R001	
ixed packing provisions (ADR)	: MP19	
ortable tank and bulk container instructions	: T7	
ortable tank and bulk container special provisions	: TP1, TP28	
ank code (ADR)	: L4BN	
ehicle for tank carriage	: AT	
ransport category (ADR)	: 3	
pecial provisions for carriage - Packages (ADR)	: V12	
azard identification number (Kemler No.)	: 80	
Drange plates	80 3264	
unnel code	: E	
AC code	: 2X	
PP code	: B	
ransport by sea		
pecial provisions (IMDG)	: 223, 274	
mited quantities (IMDG)	: 5 L	
acking instructions (IMDG)	: P001, LP01	
BC packing instructions (IMDG)	: IBC03	
ir transport		
CA Limited quantities (IATA)	: Y841	
CA limited quantity max net quantity (IATA)	: 1L	
CA packing instructions (IATA)	: 852	
CA max net quantity (IATA)	: 5L	
AO packing instructions (IATA)	: 856	
AO max net quantity (IATA)	: 60L	
pecial provisions (IATA)	: A3, A803	

**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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

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### Contains no substance on the REACH candidate list

### Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content

: 0 g/l

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

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Data sources
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Other information

 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
 None.

Full text of H- and EUH-statements:			
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1		
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Met. Corr. 1	Corrosive to metals, Category 1		
Skin Corr. 1	Skin corrosion/irritation, Category 1		
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
H290	May be corrosive to metals.		
H302	Harmful if swallowed.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		

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

Skin Corr. 1	H314	On basis of test data	
Aquatic Chronic 3	H412	Calculation method	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.