

Slurry Boss

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

1.1 - Product identifier

Trade name/designation Slurry Boss
Chemical name
Product-type Mixture

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

Relevant identified uses - Slurry solution.

Uses advised against - Use only for intended applications

1.3 - Details of the supplier of the safety data sheet

Osmonds
Bradeley Green, Tarporley Road,
Whitchurch, Shropshire, SY13 4HD
United Kingdom
Telephone : 01948 668100 (09:00 - 17:00)
SDS Contact: Osmonds - Tel 01948668100 (09:00 - 17:00) email: info@osmonds.co.uk

1.4 - Emergency telephone number

- National Poisons Information Service

For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)

If you are a healthcare professional with an enquiry please visit www.TOXBASE.org United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Corr. 1	Skin corrosion, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Met. Corr. 1	Corrosive to metals - Category 1

2.2 - Label elements

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

Contains: copper sulphate pentahydrate (CAS No.: 7758-99-8) | sulphamidic acid, sulphamic acid, sulfamic acid (CAS No.: 5329-14-6)

Signal word : Danger

Hazard pictograms



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Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260	Do not breathe mist/spray/vapours.
P280	Wear eye protection/face protection/protective clothing/protective gloves.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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 doctor/a POISON CENTER.
P391	Collect spillage.

EUH-phrases : None

2.3 - Other hazards

PBT-substance. - The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Other hazards which do not result in classification - Endocrine disrupting properties
- No information available.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
copper sulphate pentahydrate	CAS No. : 7758-99-8 Index No. : 029-023-00-4 EC No. : 231-847-6 REACH No. : 01-2119520566-40-XXXX	10 - 20	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318	M-factor: 10 / 1 ATE oral 481
sulphamidic acid, sulphamic acid, sulfamic acid	CAS No. : 5329-14-6 Index No. : 016-026-00-0 EC No. : 226-218-8 REACH No. : 01-2119488633-28-XXXX	5 - 10	Aquatic Chronic 3 - H412 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	Not applicable

- Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.
- Apply resuscitation if victim is not breathing - Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device - Administer oxygen if breathing is difficult.

Slurry Boss

	- In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - Remove contaminated, saturated clothing immediately. - In case of skin reactions, consult a physician.
<u>After eye contact</u>	- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<u>After ingestion</u>	- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. - Never give anything by mouth to an unconscious person or a person with cramps. - Do NOT induce vomiting.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available. - May cause respiratory irritation.
<u>Symptoms and effects - Following skin contact</u>	- Causes burns.
<u>Symptoms and effects - After eye contact</u>	- Causes burns. - The following symptoms may occur: Impairment of vision - Serious eye damage/eye irritation - Causes tears. - Conjunctival redness.
<u>Symptoms and effects - After ingestion</u>	- Causes burns.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- Corrosive - May be corrosive to metals (H290)
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<u>Hazardous decomposition products</u>	- Ammonia (NH ₃)
	- Nitrogen oxides (NO _x)
	- Sulphur oxides

5.3 - Advice for firefighters

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Use water spray jet to protect personnel and to cool endangered containers.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Remove persons to safety.
	- Avoid contact with skin, eyes and clothes.
	- Use personal protection equipment.
	- Do not breathe mist/vapours/spray.

<u>For emergency responders</u>	- Remove persons to safety.
	- Avoid contact with eyes and clothes.
	- Wear personal protection equipment (refer to section 8).
	- Do not breathe mist/vapours/spray.

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Do not allow to enter into soil/subsoil.
- Retain contaminated washing water and dispose it.

6.3 - Methods and material for containment and cleaning up

<u>Methods and material for containment</u>	- Soak up inert absorbent and dispose as waste requiring special attention.
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<u>Methods and material for cleaning up</u>	- Large amounts of spillages:
	- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
	- Collect in closed and suitable containers for disposal.
	- Clear contaminated areas thoroughly.
	- Small amounts of spillages:
	- Wash with plenty of water.

<u>Inappropriate techniques</u>	- No information available.
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6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

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7.1 - Precautions for safe handling

Recommendation

- Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact
- Do not breathe vapour/aerosol.

Advices on general occupational hygiene

- Immediately remove any contaminated clothing, shoes or stockings.
- In the immediate working surroundings there must be: Make available sufficient washing facilities
- Provide eye shower and label its location conspicuously
- Thorough skin-cleansing after handling the product.
- Used working clothes should not be worn outside the work area.
- Wash contaminated clothing prior to re-use.
- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.
- Work in well-ventilated zones or use proper respiratory protection.

7.2 - Conditions for safe storage, including any incompatibilities

- Store in a place accessible by authorized persons only.
- Keep away from: Food and feedingstuffs
- Only use containers specifically approved for the substance/product.
- Ensure that internal pressure is allowed to escape safely when opening containers.
- May be corrosive to metals.
- Unsuitable container/equipment material:
 - metals
- Suitable container/equipment material:
 - Polyethylene (PE)

7.3 - Specific end use(s)

- The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

- No information available.

DNEL / PNEC

copper sulphate pentahydrate (7758-99-8)

Type	Value	User	Effect
DNEL long-term oral (repeated)	0.04 mg/kg bw/day	Workers	Systemic
DNEL long-term inhalative	1 mg/m ³	Workers	Systemic
DNEL acute dermal, short-term	1 mg/kg	Workers	Local
DNEL long-term dermal	13.7 mg/kg bw/day	Workers	Systemic
PNEC aquatic, freshwater	0.0078 mg/l		

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PNEC aquatic, marine water	0.0052 mg/l		
PNEC sediment, freshwater	87 mg/kg		
PNEC sediment, marine water	676 mg/kg		
PNEC soil	65 mg/kg		
PNEC sewage treatment plant (STP)	0.23 mg/l		

sulphamidic acid, sulphamic acid, sulfamic acid (5329-14-6)

Type	Value	User	Effect
DNEL long-term oral (repeated)	5 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	70.5 mg/m ³	Workers	Systemic
DNEL long-term inhalative	17.4 mg/m ³	Consumers	Systemic
DNEL long-term dermal	10 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	5 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	1.8 mg/l		
PNEC aquatic, marine water	0.18 mg/l		
PNEC sediment, freshwater	8.3 mg/kg		
PNEC sediment, marine water	0.84 mg/kg		
PNEC soil	5 mg/kg		
PNEC sewage treatment plant (STP)	20 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection



- Suitable eye protection: Face protection umbrella



- Suitable protective clothing: Full protection suit



- Rubber boots
- Tested protective gloves must be worn



- Suitable material: NBR (Nitrile rubber)

- Butyl caoutchouc (butyl rubber)
- CR (polychloroprene, chloroprene rubber)
- FKM (fluoro rubber)
- PVC (Polyvinyl chloride)

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- Breakthrough times and swelling properties of the material must be taken into consideration.
 - Breakthrough time:
 - >=480 mins (0.5mm chloroprene, 0.35mm nitrile rubber, 0.5mm butyl rubber, 0.4mm fluoro carbon rubber, 0.5mm PVC).
 - In case of inadequate ventilation wear respiratory protection.
 - A mask capable of providing protection against inorganic acid vapours.
 - Use only respiratory protection equipment with CE-symbol including four digit test number.
 - After contact with skin, wash immediately with plenty of water and soap.
 - Make available sufficient washing facilities
 - Take off contaminated clothing and wash it before reuse.
 - Wash hands before breaks and after work.
 - Do not eat, drink or smoke when using this product.
 - Provide eye shower and label its location conspicuously
- Environmental exposure controls
- Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	dark blue	<u>Odour</u>	acidic
Odour threshold	No data available		
pH	2		
Melting point	not applicable		
Freezing point	No data available		
Boiling point	> 100 °C		
Flash point	not applicable		
Evaporation rate	No data available		
flammability	No data available		
Lower explosion limit	No data available		
Upper explosion limit	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Relative density	1.25		
Density	No data available		
Solubility (Water)	100 %		
Solubility (Ethanol)	No data available		
Solubility (Acetone)	No data available		

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Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	not applicable
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	0 g/l
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.
- Exothermic reaction with:
 - Strong alkali
 - Release of:
 - Heat

10.4 - Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 - Incompatible materials

- Chlorine
- metals
- nitrates
- Oxidising agent, strong
- Reducing agent, strong
- Strong alkali

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- Alkali (lye)
- Nitric acid
- Oxidising substances
- Halogenated compounds

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- Thermal decomposition can lead to the escape of irritating gases and vapours.
- Ammonia
- Nitrogen oxides (NOx)
- Sulphur oxides

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.
- Calculation method.

Toxicity : Substances

copper sulphate pentahydrate (7758-99-8)	
LD50 oral (rat)	481 mg/kg
sulphamidic acid, sulphamic acid, sulfamic acid (5329-14-6)	
LD50 oral (rat)	3160 mg/kg

Skin corrosion/irritation - Skin corrosion, Category 1 - Causes severe skin burns and eye damage.

- Corrosive.
- On basis of test data.
- Extrem pH (≤ 2.0)

Serious eye damage/eye irritation - Serious eye damage, Category 1

- Corrosive.
- Risk of serious damage to eyes.
- On basis of test data.

Respiratory or skin sensitisation - Not classified

- Based on available data, the classification criteria are not met.

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<u>Germ cell mutagenicity</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Carcinogenicity</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Reproductive toxicity</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>STOT-single exposure</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>STOT-repeated exposure</u>	- Not classified
	- Based on available data, the classification criteria are not met.
<u>Aspiration hazard</u>	- Not classified

11.2 - Information on other hazards

- No data available

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

copper sulphate pentahydrate (7758-99-8)	
EC50 48 hr crustacea	0.024 mg/l Daphnia magna
LC50 96 hr fish	0.75 mg/l <= V <= 0.85 mg/l Oncorhynchus mykiss (Rainbow trout)
sulphamidic acid, sulphamic acid, sulfamic acid (5329-14-6)	
EC50 48 hr crustacea	71.6 mg/l Daphnia magna
LC50 96 hr fish	70.3 mg/l Pimephales promelas (fathead minnow)
ErC50 algae	48 mg/l

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- Very toxic to aquatic life.
- Toxic to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No information available.
- Bioaccumulative potential

12.4 - Mobility in soil

- No information available.
- easily soluble
- Water
- The product is an acid. Before discharge into sewage plants the product normally needs to be neutralised.

12.5 - Results of PBT and vPvB assessment

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 - Endocrine disrupting properties

- No data available

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. - Handle contaminated packages in the same way as the substance itself.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- Waste for disposal is to be classified and labelled. - Do not mix with other wastes. - This material and its container must be disposed of as hazardous waste. - Consult the appropriate local waste disposal expert about waste disposal. - Do not allow to enter into surface water or drains.
<u>Community or national or regional provisions</u>	- The waste code has to be identified in agreement with the disposal company or the competent authority.

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SECTION 14: Transport information

14.1 - UN number or ID number

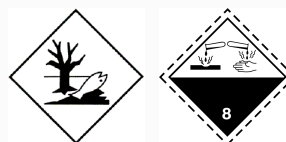
UN number (ADR)	:	UN3264
UN number (RID)	:	UN3264
UN number (ADN)	:	UN3264
UN number (IMDG)	:	UN3264
UN number (IATA)	:	UN3264

14.2 - UN proper shipping name

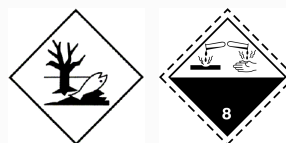
UN proper shipping name (ADR)	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamidic acid, sulphamic acid, sulfamic acid)
UN proper shipping name (RID)	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamidic acid, sulphamic acid, sulfamic acid)
UN proper shipping name (ADN)	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamidic acid, sulphamic acid, sulfamic acid)
UN proper shipping name (IMDG)	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamidic acid, sulphamic acid, sulfamic acid)
UN proper shipping name (IATA)	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphamidic acid, sulphamic acid, sulfamic acid)

14.3 - Transport hazard class(es)

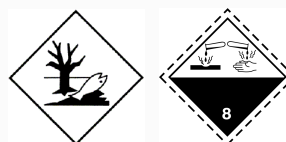
ADR Transport hazard class(es)	:	8
ADR Classification code:	:	C1
Pictograms		



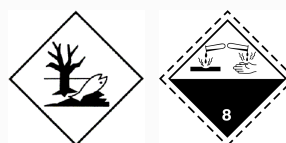
Transport hazard class(es) (RID)	:	8
Pictograms		



Transport hazard class(es) (ADN)	:	8
Pictograms		



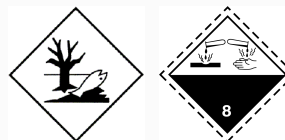
Transport hazard class(es) (IMDG)	:	8
Pictograms		



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Transport hazard class(es) : 8
(IATA)

Pictograms



14.4 - Packing group

Packing group : III
Packing group (RID) : III
Packing group (ADN) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5 - Environmental hazards

Environmental hazards : Yes.
Marine pollutant : Hazardous to the aquatic environment - Aquatic Acute 1
Hazardous to the aquatic environment - Aquatic Chronic 2

14.6 - Special precautions for user

ADR

ADR Classification code: : C1
ADR Special provisions : 274
ADR Limited quantity (LQ) : 5L
ADR Excepted quantities : E1
ADR Packing instructions : P001 IBC03 LP01 R001
ADR Special packing provisions :
ADR Mixed packing provisions : MP19
Instructions for portable tanks and bulk containers : T7
Special provisions for portable tanks and bulk containers : TP1 TP28
ADR tank code : L4BN
ADR tanks special provisions : TU42
Vehicle for tank carriage : AT
ADR Transport category : 3
ADR Tunnel restriction code : E
ADR Special provisions loading, unloading and handling :
Special provisions - Packages : V12
Special provisions - Bulk :
Special provisions - Operation :
ADR Hazard identification number (Kemler No.) : 80

RID

Special provisions :
Limited quantity (LQ) :
Excepted quantities :

Slurry Boss

ADN

<u>Special provisions</u>	:
<u>Limited quantity (LQ)</u>	:
<u>Excepted quantities</u>	:

IMDG

<u>Special provisions</u>	:	223 274
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E1
<u>Packing instructions</u>	:	P001 LP01
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	IBC03
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T7
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP28
<u>EmS codes</u>	:	F-A, S-B
<u>Stowage and handling</u>	:	Category A SW2
<u>Segregation</u>	:	SGG1 SG36 SG49
<u>Properties and observations</u>	:	Causes burns to skin, eyes and mucous membranes.

IATA

<u>PCA - Excepted quantities</u>	:	E1
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y841
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	1L
<u>PCA - Packing Instructions</u>	:	852
<u>PCA - Maximum Net Quantity per Package</u>	:	5L
<u>CAO - Packing Instructions</u>	:	856
<u>CAO - Maximum Net Quantity per Package</u>	:	60L
<u>Special Provisions</u>	:	A3 A803
<u>ERG Code</u>	:	8L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	0 g/l

- Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work
- Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2 - Chemical Safety Assessment

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Chemical safety assessment carried out for the product - Relevant exposure scenario information for the components of this mixture has been included in this Safety Data Sheet and therefore no annex is provided.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
2	07/11/2024	J Waterfield	2, 3, 9, 11, 12.
1	20/03/2015		

Abbreviations and acronyms - For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Data sources: Material Safety Data Sheet, Misc. manufacturers.

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye 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.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals - Category 1
Skin Corr. 1	Skin corrosion, Category 1
Skin Irrit. 2	Irritation, Category 2

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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