

# Weld Blue Remover

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
SDS Ref.: Periodic review of SDS 11/29/2021  
Date of issue: 10/3/2014 Revision date: 11/29/2018 Supersedes: 7/7/2017 Version: 2.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Weld Blue Remover  
Product code : WP 0327  
Type of product : Acids  
Product group : Blend

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors Ltd  
9 Crane Way, Woolsbridge Industrial Park,  
Three Legged Cross, Wimborne, Dorset  
BH21 6FA - United Kingdom  
T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863  
[www.wessexchemicalfactors.co.uk](http://www.wessexchemicalfactors.co.uk)  
E-mail address of competent person responsible for the SDS : [info@wessexchemicalfactors.co.uk](mailto:info@wessexchemicalfactors.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)  
+44 (0) 7973629367 (Out of hours emergency number)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1 H314  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.  
Precautionary statements (CLP) : P260 - Do not breathe mist, spray, vapours.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear eye protection, protective gloves, protective clothing.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

No additional information available

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### 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 ... %, orthophosphoric acid ... %<br>(Note B) | (CAS-No.) 7664-38-2<br>(EC-No.) 231-633-2<br>(EC Index-No.) 015-011-00-6<br>(REACH-no) 01-2119485924-24-XXXX | 20 - 30 | Met. Corr. 1, H290<br>Skin Corr. 1B, H314                       |
| citric acid   | (CAS-No.) 5949-29-1<br>(EC-No.) 201-069-1<br>(REACH-no) 01-2119457026-42-XXXX                                | 10 - 20 | Eye Irrit. 2, H319  |

#### Specific concentration limits:

| Name  | Product identifier   | Specific concentration limits  |
|---|--|--|
| phosphoric acid ... %, orthophosphoric acid ... % | (CAS-No.) 7664-38-2<br>(EC-No.) 231-633-2<br>(EC Index-No.) 015-011-00-6<br>(REACH-no) 01-2119485924-24-XXXX | ( 10 =<C < 25) Eye Irrit. 2, H319<br>( 10 =<C < 25) Skin Irrit. 2, H315<br>(C >= 25) Skin Corr. 1B, H314 |

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Allow the victim to rest.  |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Call a physician immediately. |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a physician immediately.  |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a physician immediately.  |

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

|                                     |                           |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Sand. Water spray. Dry powder. Foam. Carbon dioxide.                           |
| Unsuitable extinguishing media | : Do not use a heavy water stream. Use of heavy stream of water may spread fire. |

#### 5.2. Special hazards arising from the substance or mixture

|  |  |
|--|--|
| Fire hazard                                      | : On contact with ordinary metals (steel, galvanized, aluminium) corrosion may occur and generate highly flammable hydrogen gas. |
| Hazardous decomposition products in case of fire | : Carbon monoxide. Carbon dioxide. Phosphorus oxides.  |

#### 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. |
|---------------------------|---|

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Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Neutralise with dry sodium carbonate.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Store locked up.

Incompatible products : Strong bases. oxidizing materials.

Incompatible materials : Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2) |                                 |                                      |
|---|---------------------------------|--------------------------------------|
| EU  | Local name                      | Orthophosphoric acid                 |
| EU  | IOELV TWA (mg/m <sup>3</sup> )  | 1 mg/m <sup>3</sup>                  |
| EU  | IOELV STEL (mg/m <sup>3</sup> ) | 2 mg/m <sup>3</sup>                  |
| EU  | Regulatory reference            | COMMISSION DIRECTIVE 2000/39/EC      |
| United Kingdom  | Local name                      | Orthophosphoric acid                 |
| United Kingdom  | WEL TWA (mg/m <sup>3</sup> )    | 1 mg/m <sup>3</sup>                  |
| United Kingdom  | WEL STEL (mg/m <sup>3</sup> )   | 2 mg/m <sup>3</sup>                  |
| United Kingdom  | Regulatory reference            | EH40/2005 (Third edition, 2018). HSE |

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protective equipment:

Avoid all unnecessary exposure. Protective goggles. Gloves. Protective clothing.

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### Hand protection:

Wear protective gloves.

### Eye protection:

Chemical goggles or safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used

### Personal protective equipment symbol(s):



### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                           |
|--|---------------------------|
| Physical state                             | : Liquid                  |
| Appearance                                 | : Red liquid.             |
| Colour                                     | : red.                    |
| Odour                                      | : characteristic.         |
| Odour threshold                            | : No data available       |
| pH   | : < 2                     |
| Relative evaporation rate (butylacetate=1) | : No data available       |
| Melting point                              | : Not applicable          |
| Freezing point                             | : No data available       |
| Boiling point                              | : ~ 100 °C                |
| Flash point                                | : No data available       |
| Auto-ignition temperature                  | : No data available       |
| Decomposition temperature                  | : No data available       |
| Flammability (solid, gas)                  | : Non flammable.          |
| Vapour pressure                            | : No data available       |
| Relative vapour density at 20 °C           | : No data available       |
| Relative density                           | : No data available       |
| Density                                    | : 1.198 g/cm <sup>3</sup> |
| Solubility                                 | : soluble in water.       |
| Log Pow                                    | : No data available       |
| Viscosity, kinematic                       | : No data available       |
| Viscosity, dynamic                         | : No data available       |
| Explosive properties                       | : No data available       |
| Oxidising properties                       | : No data available       |
| Explosive limits                           | : No data available       |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Contact with alkaline products gives exothermic reaction.

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### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong bases. oxidizing materials. May be corrosive to metals.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : fume. Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### citric acid (5949-29-1)

|                 |                         |
|-----------------|-------------------------|
| LD50 oral rat   | 11700 mg/kg             |
| LD50 oral       | 5400 mg/kg (mouse)      |
| LD50 dermal rat | > 2000 mg/kg bodyweight |

#### phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

|               |                       |
|---------------|-----------------------|
| LD50 oral rat | 2600 mg/kg bodyweight |
|---------------|-----------------------|

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: < 2

Serious eye damage/irritation : Serious eye damage, category 1, implicit

pH: < 2

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

STOT-repeated exposure : Not classified

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

Aspiration hazard : Not classified

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

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

#### citric acid (5949-29-1)

|                                |   |
|--------------------------------|---|
| LC50 fish 1                    | > 100 mg/l Fathead minnow, ( <i>P. promelas</i> ) |
| EC50 other aquatic organisms 1 | > 50 mg/l (Zebra mussel <i>D. polymorpha</i> )    |
| NOEC chronic algae             | 425 mg/l (Algae <i>S. quadricauda</i> )           |

#### phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

|                |  |
|----------------|--|
| LC50 fish 1    | 3 - 3.25 mg/l Bluegill, ( <i>Lepomis macrochirus</i> ) |
| EC50 Daphnia 1 | > 100 mg/l   |
| ErC50 (algae)  | > 100 mg/l   |

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|            |  |
|------------|--|
| TLM fish 1 | 138 ppm Western mosquitofish ( <i>Gambusia affinis</i> ) |
|------------|--|

### 12.2. Persistence and degradability

|                               |                  |
|-------------------------------|------------------|
| <b>Weld Blue Remover</b>      |                  |
| Persistence and degradability | Not established. |

|                                |                        |
|--------------------------------|------------------------|
| <b>citric acid (5949-29-1)</b> |                        |
| Persistence and degradability  | Readily biodegradable. |

|  |                  |
|--|------------------|
| <b>phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)</b> |                  |
| Persistence and degradability  | Not established. |

### 12.3. Bioaccumulative potential

|                           |                  |
|---------------------------|------------------|
| <b>Weld Blue Remover</b>  |                  |
| Bioaccumulative potential | Not established. |

|                                |   |
|--------------------------------|---|
| <b>citric acid (5949-29-1)</b> |   |
| Log Kow                        | -1.8 - -0.2   |
| Bioaccumulative potential      | Not expected to bioaccumulate due to the low log Kow (log Kow < 4). |

|  |                     |
|--|---------------------|
| <b>phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)</b> |                     |
| Bioaccumulative potential  | No bioaccumulation. |

### 12.4. Mobility in soil

|                          |  |
|--------------------------|--|
| <b>Weld Blue Remover</b> |  |
| Ecology - soil           | Soluble material/quickly disperses in water. |

|  |                                |
|--|--------------------------------|
| <b>phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)</b> |                                |
| Ecology - soil   | Product adsorbs onto the soil. |

### 12.5. Results of PBT and vPvB assessment

|   |   |
|---|---|
| <b>Component</b>  |   |
| citric acid (5949-29-1)                                       | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2) | PBT: not relevant – no registration required<br>vPvB: not relevant – no registration required   |

### 12.6. Other adverse effects

|                        |   |
|------------------------|---|
| Other adverse effects  | : Before neutralisation the acidity of the product may represent a danger to aquatic organisms. |
| Additional information | : Avoid release to the environment.   |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.                     |
| Ecology - waste materials                  | : Avoid release to the environment.   |

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 1805 |
| UN-No. (IMDG) | : 1805 |
| UN-No. (IATA) | : 1805 |
| UN-No. (ADN)  | : 1805 |
| UN-No. (RID)  | : 1805 |

### 14.2. UN proper shipping name

|                            |                             |
|----------------------------|-----------------------------|
| Proper Shipping Name (ADR) | : PHOSPHORIC ACID, SOLUTION |
|----------------------------|-----------------------------|

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|                                       |  |
|---------------------------------------|--|
| Proper Shipping Name (IMDG)           | : PHOSPHORIC ACID SOLUTION                       |
| Proper Shipping Name (IATA)           | : Phosphoric acid, solution                      |
| Proper Shipping Name (ADN)            | : PHOSPHORIC ACID, SOLUTION                      |
| Proper Shipping Name (RID)            | : PHOSPHORIC ACID, SOLUTION                      |
| Transport document description (ADR)  | : UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III, (E) |
| Transport document description (IMDG) | : UN 1805 PHOSPHORIC ACID SOLUTION, 8, III       |
| Transport document description (IATA) | : UN 1805 Phosphoric acid, solution, 8, III      |
| Transport document description (ADN)  | : UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III      |
| Transport document description (RID)  | : UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III      |

### 14.3. Transport hazard class(es)

#### ADR

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADR) | : 8 |
| Danger labels (ADR)              | : 8 |



#### IMDG

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 8 |
| Danger labels (IMDG)              | : 8 |



#### IATA

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IATA) | : 8 |
| Hazard labels (IATA)              | : 8 |



#### ADN

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADN) | : 8 |
| Danger labels (ADN)              | : 8 |



#### RID

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (RID) | : 8 |
| Danger labels (RID)              | : 8 |



### 14.4. Packing group

|                      |       |
|----------------------|-------|
| Packing group (ADR)  | : III |
| Packing group (IMDG) | : III |
| Packing group (IATA) | : III |
| Packing group (ADN)  | : III |

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Packing group (RID) : III

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : C1  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T4  
Portable tank and bulk container special provisions (ADR) : TP1  
Tank code (ADR) : L4BN  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Hazard identification number (Kemler No.) : 80  
Orange plates :



Tunnel restriction code (ADR) : E  
EAC code : 2R

#### Transport by sea

Special provisions (IMDG) : 223  
Packing instructions (IMDG) : P001, LP01  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-B  
Stowage category (IMDG) : A  
Properties and observations (IMDG) : Miscible in water. Mildly corrosive to most metals.

#### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y841  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 852  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 856  
CAO max net quantity (IATA) : 60L  
Special provisions (IATA) : A3, A803  
ERG code (IATA) : 8L

#### Inland waterway transport

Classification code (ADN) : C1  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EP  
Number of blue cones/lights (ADN) : 0

#### Rail transport

Classification code (RID) : C1  
Excepted quantities (RID) : E1



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|   |                           |
|---|---------------------------|
| Packing instructions (RID)                                | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID)                            | : MP19                    |
| Portable tank and bulk container instructions (RID)       | : T4                      |
| Portable tank and bulk container special provisions (RID) | : TP1                     |
| Tank codes for RID tanks (RID)                            | : L4BN                    |
| Transport category (RID)                                  | : 3                       |
| Special provisions for carriage – Packages (RID)          | : W12                     |
| Colis express (express parcels) (RID)                     | : CE8                     |
| Hazard identification number (RID)                        | : 80                      |

### 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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 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

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| EC50                        | Median effective concentration  |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| NOEC                        | No-Observed Effect Concentration  |
| PBT                         | Persistent Bioaccumulative Toxic  |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS                         | Safety Data Sheet   |
| TLM                         | Median Tolerance Limit  |
| vPvB                        | Very Persistent and Very Bioaccumulative  |

Data sources : 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.

Other information : None.

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2 |
| Met. Corr. 1                        | Corrosive to metals, Category 1               |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1B        |
| H290                                | May be corrosive to metals.                   |
| H314                                | Causes severe skin burns and eye damage.      |

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|      |                                |
|------|--------------------------------|
| H319 | Causes serious eye irritation. |
|------|--------------------------------|

SDS EU (REACH Annex II)

*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*