

# Safety Data Sheet



Revision Date 12-Jan-2017  
Version 1.02

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Red X It

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

Recommended Use Professional Textile Cleaning

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

Supplier Legend Brands Europe  
Chemspec  
22 Plover Close Interchange Park  
Newport Pagnell MK16 9PS, UK  
+44 (0) 1908 611211

Manufacturer Legend Brands  
Chemspec  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

For further information, please contact: [msds@chemspecworld.com](mailto:msds@chemspecworld.com)

### 1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

Europe	112
Austria	+43 1 406 43 43
Belgium	Poison center (BE): +32 70 245 245
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Finland	Poison Information Centre (FI): +358 9 471 977
France	ORFILA (FR): + 01 45 42 59 59
Germany	Poison Center Berlin (DE): +49 030 30686 790 Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland	National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
Iceland	+354 543 2222
Italy	Poison Center, Milan (IT): +39 02 6610 1029
Luxembourg	112
Netherlands	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway	Poisons Information (NO): + 47 22 591300
Portugal	Poison Information Center (PT): +351 21 330 3284
Spain	Poison Information Service (ES): +34 91 562 04 20
Sweden	Poisons Information Center (SV): +46 8 33 12 31
Switzerland	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom	111

## 2. Hazards identification

**2.1 Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Serious eye damage/eye irritation

Category 1 - (H318)

**2.2 Label elements****Signal Word**

Danger

**Hazard Statements**

H318 - Causes serious eye damage

EUH031 - Contact with acids liberates toxic gas

**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear eye protection/ face 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

Contains SODIUM METABISULFITE

**2.3. Other Hazards**

No information available

**3. Composition/information on ingredients****3.1 Substances**

This product is a mixture. Health hazard information is based on its components.

**3.2 Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
SODIUM METABISULFITE	231-673-0	7681-57-4	10 - 25	Acute Tox. 4 (H302) Eye Dam. 1 (H318) (EUH031)	no data available
METHANOL	200-659-6	67-56-1	< 1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	no data available
POLY(OXY-1,2-ETHANEDIYL), A-HYDRO-O-HYDROXY-	-	25322-68-3	< 1	NA	no data available
Benzyl acetate	205-399-7	140-11-4	< 0.1	no data available	no data available
1,4-DIOXANE	204-661-8	123-91-1	< 0.1	Eye Irrit. 2 (H319) Carc. 2 (H351) STOT SE 3 (H335) Flam. Liq. 2 (H225) (EUH066) (EUH019)	no data available

Ethylene oxide	200-849-9	75-21-8	< 0.1	Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Muta. 1B (H340) Carc. 1B (H350) STOT SE 3 (H335) Flam. Gas 1 (H220) Press. Gas	no data available
Acetaldehyde	200-836-8	75-07-0	< 0.1	Eye Irrit. 2 (H319) Carc. 2 (H351) STOT SE 3 (H335) Flam. Liq. 1 (H224)	no data available

**For the full text of the H-Statements mentioned in this Section, see Section 16**

## 4. First Aid Measures

### 4.1 Description of first-aid measures

<b>General advice</b>	When symptoms persist or in all cases of doubt seek medical advice.
<b>Inhalation</b>	Move to fresh air. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Use a mild soap if available.
<b>Eye contact</b>	Remove contact lenses, if present. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Gently wipe or rinse the inside of the mouth with water. Get medical attention.

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

<b>Symptoms</b>	No information available.
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically.
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## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

#### **Small Fires**

Dry chemical or CO<sub>2</sub>

#### **Large Fires**

Alcohol type or all purpose foam.

#### **Extinguishing media which shall not be used for safety reasons**

High volume water jet.

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

Hazardous decomposition products formed under fire conditions.

#### **Hazardous Combustion Products**

Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. Accidental Release Measures

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

#### Personal precautions

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment.

#### Advice for emergency responders

For personal protection see section 8.

### 6.2 Environmental precautions

Prevent product from entering drains. Do not allow material to contaminate ground water system. See Section 12 for additional Ecological information.

### 6.3 Methods and materials for containment and cleaning up

#### Methods for Containment

Prevent further leakage or spillage if safe to do so.

#### Methods for cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

See section 8 for more information.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.

#### Hygiene measures

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

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

#### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost.

### 7.3 Specific end uses

#### Specific use(s)

No information available

#### Exposure scenario

No information available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Exposure Limit Values

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
SODIUM METABISULFITE 7681-57-4			TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>
METHANOL	TWA: 200 ppm	Skin	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm

67-56-1	TWA: 260 mg/m <sup>3</sup> Skin	STEL 800 ppm STEL 1040 mg/m <sup>3</sup> TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	TWA: 266 mg/m <sup>3</sup> S* STEL: 250 ppm STEL: 333 mg/m <sup>3</sup>	TWA: 260 mg/m <sup>3</sup> Skin	TWA: 270 mg/m <sup>3</sup> STEL: 250 ppm STEL: 330 mg/m <sup>3</sup> Skin	TWA: 260 mg/m <sup>3</sup> STEL: 1000 ppm STEL: 1300 mg/m <sup>3</sup>
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3		STEL 4000 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup>				
Benzyl acetate 140-11-4			TWA: 10 ppm TWA: 62 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 61 mg/m <sup>3</sup>		
1,4-DIOXANE 123-91-1		Skin STEL 40 ppm STEL 146 mg/m <sup>3</sup> TWA: 20 ppm TWA: 73 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 73 mg/m <sup>3</sup> S*	TWA: 10 ppm TWA: 36 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 36 mg/m <sup>3</sup> STEL: 40 ppm STEL: 150 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 73 mg/m <sup>3</sup> STEL: 40 ppm STEL: 140 mg/m <sup>3</sup>
Ethylene oxide 75-21-8		Skin	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup>	TWA: 1 ppm STEL: 5 ppm
Acetaldehyde 75-07-0		STEL 50 ppm STEL 90 mg/m <sup>3</sup> TWA: 50 ppm TWA: 90 mg/m <sup>3</sup> Ceiling 50 ppm Ceiling 90 mg/m <sup>3</sup>	Maximum Limit Value: 25 ppm Maximum Limit Value: 46 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 45 mg/m <sup>3</sup>	STEL: 25 ppm STEL: 46 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 180 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Germany</b>	<b>Iceland</b>	<b>Ireland</b>	<b>Italy</b>	<b>Luxembourg</b>	<b>The Netherlands</b>
SODIUM METABISULFITE 7681-57-4		TWA: 5 mg/m <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		
METHANOL 67-56-1	TWA: 200 ppm TWA: 270 mg/m <sup>3</sup> Skin	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> S* Ceiling: 400 ppm Ceiling: 520 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 600 ppm STEL: 780 mg/m <sup>3</sup> Skin	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 328 mg/m <sup>3</sup>  TWA: 262 mg/m <sup>3</sup> Skin	S* TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	Skin TWA: 133 mg/m <sup>3</sup> TWA: 100 ppm
POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3	TWA: 1000 mg/m <sup>3</sup>					
Benzyl acetate 140-11-4				TWA: 10 ppm TWA: 61 mg/m <sup>3</sup>		
1,4-DIOXANE 123-91-1	TWA: 20 ppm TWA: 73 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 73 mg/m <sup>3</sup> S* Ceiling: 40 ppm Ceiling: 146 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 73 mg/m <sup>3</sup> STEL: 60 ppm STEL: 219 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>	TWA: 73 mg/m <sup>3</sup> TWA: 20 ppm	TWA: 20 mg/m <sup>3</sup>
Ethylene oxide 75-21-8	Skin	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup> S* Ceiling: 2 ppm Ceiling: 3.6 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 10 mg/m <sup>3</sup> STEL: 15 ppm STEL: 30 mg/m <sup>3</sup>	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup>		TWA: 0.84 mg/m <sup>3</sup>
Acetaldehyde 75-07-0	TWA: 50 ppm TWA: 91 mg/m <sup>3</sup> Skin	STEL: 25 ppm STEL: 45 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 45 mg/m <sup>3</sup> STEL: 25 ppm STEL: 45 mg/m <sup>3</sup>			STEL: 92 mg/m <sup>3</sup> TWA: 37 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Norway</b>	<b>Portugal</b>	<b>Spain</b>	<b>Sweden</b>	<b>Switzerland</b>	<b>The United Kingdom</b>
SODIUM METABISULFITE 7681-57-4	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>	STEL: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
METHANOL 67-56-1	TWA: 100 ppm TWA: 130 mg/m <sup>3</sup> Skin STEL: 150 ppm STEL: 162.5 mg/m <sup>3</sup>	STEL: 250 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	S* TWA: 200 ppm TWA: 266 mg/m <sup>3</sup>	LLV: 200 ppm LLV: 250 mg/m <sup>3</sup> S* STV: 250 ppm STV: 350 mg/m <sup>3</sup>	Skin STEL: 800 ppm STEL: 1040 mg/m <sup>3</sup> TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	STEL: 250 ppm STEL: 333 mg/m <sup>3</sup> TWA: 200 ppm TWA: 266 mg/m <sup>3</sup> Skin
POLY(OXY-1,2-ETHA					TWA: 1000 mg/m <sup>3</sup>	

NEDIYL), A-HYDRO-O-HYDRO XY- 25322-68-3						
Benzyl acetate 140-11-4		TWA: 10 ppm	TWA: 10 ppm TWA: 62 mg/m <sup>3</sup>			
1,4-DIOXANE 123-91-1	TWA: 5 ppm TWA: 18 mg/m <sup>3</sup> Skin STEL: 10 ppm STEL: 36 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 73 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 73 mg/m <sup>3</sup>	LLV: 10 ppm LLV: 35 mg/m <sup>3</sup> S* STV: 25 ppm STV: 90 mg/m <sup>3</sup>	Skin STEL: 40 ppm STEL: 144 mg/m <sup>3</sup> TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>	STEL: 60 ppm STEL: 219 mg/m <sup>3</sup> TWA: 20 ppm TWA: 73 mg/m <sup>3</sup> Skin
Ethylene oxide 75-21-8	TWA: 1 ppm STEL: 3 ppm	TWA: 1 ppm	TWA: 1 ppm TWA: 1.8 mg/m <sup>3</sup>	LLV: 1 ppm LLV: 2 mg/m <sup>3</sup> S* STV: 5 ppm STV: 9 mg/m <sup>3</sup>	Skin TWA: 1 ppm TWA: 2 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 27.6 mg/m <sup>3</sup> TWA: 5 ppm TWA: 9.2 mg/m <sup>3</sup>
Acetaldehyde 75-07-0	TWA: 25 ppm TWA: 45 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 67.5 mg/m <sup>3</sup>	Ceiling: 25 ppm	STEL: 25 ppm STEL: 46 mg/m <sup>3</sup>	LLV: 25 ppm LLV: 45 mg/m <sup>3</sup> STV: 50 ppm STV: 90 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 90 mg/m <sup>3</sup> TWA: 90 mg/m <sup>3</sup> TWA: 50 ppm	STEL: 50 ppm STEL: 92 mg/m <sup>3</sup> TWA: 20 ppm TWA: 37 mg/m <sup>3</sup>

TWA: Time weighted average  
 STEL: Short term exposure limit  
 LLV: Exposure Limit Values  
 STV: Short Term Value

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**8.2 Exposure controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

- Eye/Face Protection** Safety glasses with side-shields.
- Hand Protection** Protective gloves.
- Skin and body protection** Long sleeved clothing.
- Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

**Environmental Exposure Controls** Prevent product from entering drains. Do not allow material to contaminate ground water system.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear liquid
<b>Color</b>	Colorless
<b>Odor</b>	Sulfur
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	5.2	
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>	Not Determined	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	1.08	
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC) content** Negligible

## 10. Stability and Reactivity

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

### 10.4 Conditions to Avoid

Protect from frost, heat and sunlight.

### 10.5 Incompatible Materials

Metals

### 10.6 Hazardous Decomposition Products

None known.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### **Acute toxicity**

#### **Product Information**

The product itself has not been tested.

<b>Inhalation</b>	There are no data available for this product.
<b>Eye contact</b>	There are no data available for this product.
<b>Skin contact</b>	There are no data available for this product.
<b>Ingestion</b>	There are no data available for this product.

**The following values are calculated based on chapter 3.1 of the GHS document**

<b>ATEmix (oral)</b>	4,193.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	67.42 mg/l

#### **Unknown Acute Toxicity**

- 33.11099% of the mixture consists of ingredient(s) of unknown toxicity
- 13.41025 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 33.11088 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 33.11099 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 32.61094 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 32.71098 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### **Component Information**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.



<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Target Organs</b>	Eyes. Respiratory system. Skin.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### 12.1 Toxicity

17.6109210881 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Ecotoxicity effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
SODIUM METABISULFITE	EC50: 72 h <i>Desmodesmus subspicatus</i> 48 mg/L EC50: 96 h <i>Desmodesmus subspicatus</i> 40 mg/L	LC50: 96 h <i>Lepomis macrochirus</i> 32 mg/L static	
METHANOL		LC50: 96 h <i>Pimephales promelas</i> 28200 mg/L flow-through LC50: 96 h <i>Pimephales promelas</i> 100 mg/L static LC50: 96 h <i>Oncorhynchus mykiss</i> 19500 - 20700 mg/L flow-through LC50: 96 h <i>Oncorhynchus mykiss</i> 18 - 20 mL/L static LC50: 96 h <i>Lepomis macrochirus</i> 13500 - 17600 mg/L flow-through	
1,4-DIOXANE		LC50: 96 h <i>Lepomis macrochirus</i> 10000 mg/L static LC50: 96 h <i>Lepomis macrochirus</i> 10000 mg/L semi-static LC50: 96 h <i>Pimephales promelas</i> 9850 mg/L flow-through LC50: 96 h <i>Pimephales promelas</i> 10306 - 14742 mg/L static LC50: 96 h <i>Pimephales promelas</i> 9850 mg/L	EC50: 48 h water flea 163 mg/L Static
Ethylene oxide		LC50: 96 h <i>Pimephales promelas</i> 73 - 96 mg/L	LC50: 48 h <i>Daphnia magna</i> 137 - 300 mg/L
Acetaldehyde		LC50: 96 h <i>Pimephales promelas</i> 28.0 - 34.0 mg/L flow-through LC50: 96 h <i>Lepomis macrochirus</i> 53 mg/L static LC50: 96 h <i>Oncorhynchus mykiss</i> 1.8 - 2.4 mg/L static LC50: 96 h <i>Pimephales promelas</i> 39.8 - 46.8 mg/L static	EC50: 48 h <i>Daphnia magna</i> 3.64 - 6.15 mg/L Static EC50: 48 h <i>Daphnia magna</i> 48.3 mg/L

### 12.2 Persistence and degradability

No information available.

**12.3 Bioaccumulative potential**

No information available.

Chemical Name	log Pow
SODIUM METABISULFITE	-3.7
METHANOL	-0.77
Benzyl acetate	1.96
1,4-DIOXANE	-0.42
Ethylene oxide	-0.3
Acetaldehyde	0.5

**12.4 Mobility in soil****Mobility in soil**

No information available.

**Mobility**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects.**

No adverse effects are expected.

## 13. Disposal Considerations

**13.1 Waste treatment methods**

<b>Waste from residues / unused products</b>	If recycling is not practicable, dispose of in compliance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other information</b>	According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

## 14. Transport Information

**ADR**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

**IMDG**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated

<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code</b>	No information available

**IATA**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

## 15. Regulatory information

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

#### National regulatory information

##### Germany

Chemical Name	French RG number	Title
SODIUM METABISULFITE 7681-57-4	RG 66	-
METHANOL 67-56-1	RG 84	-
1,4-DIOXANE 123-91-1	RG 84	-
Ethylene oxide 75-21-8	RG 66	-
Acetaldehyde 75-07-0	RG 84	-

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

Not applicable

#### International Inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL</b>	Complies
<b>PICCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	-
<b>AICS</b>	Complies
<b>KECL</b>	-
<b>NZIoC</b>	-

#### Legend

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**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

## **15.2 Chemical Safety Assessment**

No information available

## **16. Other information**

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### **Full text of H-Statements referred to under section 3**

H319 - Causes serious eye irritation  
H351 - Suspected of causing cancer if inhaled  
H335 - May cause respiratory irritation  
H225 - Highly flammable liquid and vapor  
H301 - Toxic if swallowed  
H311 - Toxic in contact with skin  
H331 - Toxic if inhaled  
H370 - Causes damage to organs if inhaled  
H224 - Extremely flammable liquid and vapor  
H315 - Causes skin irritation  
H340 - May cause genetic defects if inhaled  
H350 - May cause cancer if swallowed  
H220 - Extremely flammable gas  
H302 - Harmful if swallowed  
H318 - Causes serious eye damage  
EUH066 - Repeated exposure may cause skin dryness or cracking  
EUH019 - May form explosive peroxides  
EUH031 - Contact with acids liberates toxic gas

**Revision Date** 12-Jan-2017

**Revision Note** Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **Disclaimer**

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of Safety Data Sheet**