



Prestone



## SAFETY DATA SHEET Simoniz Red Oxide Primer

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

#### 1.1. Product identifier

<b>Product name</b>	Simoniz Red Oxide Primer
<b>Product number</b>	SIMP13D
<b>REACH registration notes</b>	This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

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

<b>Identified uses</b>	Car maintenance product. Primer.
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#### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	Holt Lloyd Services 52 Rue des 40 Mines, 60000 – Allonne, France Phone: +33 (0)3 64 99 00 32 info@holtsauto.com
<b>Contact person</b>	Contact Email address: info@holtsauto.com
<b>Manufacturer</b>	Holt Lloyd International Ltd Barton Dock Road Stretford Manchester M32 0YQ - England, UK +44 (0) 161 866 4800 FAX +44 (0) 161 866 4854 www.holtsauto.com

#### 1.4. Emergency telephone number

<b>Emergency telephone</b>	UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs
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**National emergency telephone number** +43 1 31304 5620; chemikalien@umweltbundesamt.at (Austria)  
 +32022649636; info@poisoncentre.be (Belgium)  
 +359 2 9154 409; poison\_centre@mail.orbitel.bg (Bulgaria)  
 +38514686910; toksikologija@hzjz.hr (Croatia)  
 +35722405611; cy-chemregistry@dli.mlsi.gov.cy (Cyprus)  
 +420267082257; biocidy@mzcr.cz (Czech Republic)  
 +45 72 54 40 00; mst@mst.dk (Denmark)  
 +372 794 3500; clp@terviseamet.ee, info@terviseamet.ee (Estonia)  
 +358 5052 000; kirjaamo@tukes.fi (Finland)  
 + 33 3 83 85 21 92; bnpc@chru-nancy.fr (France)  
 +49-30-18412-0; bfr@bfr.bund.de (Germany)  
 +302106479250; +302106479450; devxp.gcs@aade.gr, environment.gcs@aade.gr (Greece)  
 +36 (1) 476 1135; clp.ca@nnk.gov.hu (Hungary)  
 +354 543 22 22; eitur@landspitali.is (Iceland)  
 +353 (1) 809 2166 / +353 (1) 809 2566; chemicalsinfo@beaumont.ie (Ireland)  
 +390649906140; inscweb@iss.it (Italy)  
 +371 67032600; lvgmc@lvgmc.lv (Latvia)  
 +370 70662008; aaa@aaa.am.lt (Lithuania)  
 +320 22649636; +352 24785551; info@poisoncentre.be; direction-sante@ms.etat.lu (Luxembourg)  
 +356 2395 2000; info@mccaa.org.mt (Malta)  
 +31 88 75 585 61; productnotificatie@umcutrecht.nl (The Netherlands)  
 +4573580500; produktregisteret@miljodir.no / +47 21 07 70 00; folkehelseinstituttet@fhi.no (Norway)  
 +48 42 2538 400; biuro@chemikalia.gov.pl (Poland)  
 +351213303271; ciav.tox@inem.pt (Portugal)  
 +40213183606; infotox@insp.gov.ro (Romania)  
 +7 495 621 6885; +7 495 628 1687; rtiac@mail.ru; rtiac2003@yahoo.com (Russia)  
 +421 2 5465 2307; ntic@ntic.sk (Slovakia)  
 + 386 1 522 1293; gp.ukc@kclj.si (Slovenia)  
 +34 917689800; intcf.doc@justicia.es (Spain)  
 +46104566750; giftinformation@gic.se (Sweden)  
 +44 121 507 4123; allistervale@npis.org, sallybradberry@npis.org (UK)

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards	Aerosol 1 - H222, H229
Health hazards	Eye Dam. 1 - H318 STOT SE 3 - H336
Environmental hazards	Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word

Danger

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<b>Hazard statements</b>	<p>EUH208 Contains 4-morpholinecarbaldehyde. May produce an allergic reaction.</p> <p>H222 Extremely flammable aerosol.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H318 Causes serious eye damage.</p> <p>H336 May cause drowsiness or dizziness.</p>
<b>Precautionary statements</b>	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P261 Avoid breathing spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	ACETONE, BUTYL ACETATE -norm, BUTANOL-norm, PROPAN-2-OL
<b>Supplementary precautionary statements</b>	<p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p>

### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>ACETONE</b>		<b>30-60%</b>
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
<b>Classification</b>		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
<b>BUTANE</b>		<b>10-30%</b>
CAS number: 106-97-8	EC number: 203-448-7	REACH registration number: 01-2119474691-32-XXXX
<b>Classification</b>		
Flam. Gas 1A - H220		
Press. Gas		

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<b>BUTYL ACETATE -norm</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 123-86-4	EC number: 204-658-1	REACH registration number: 01-2119485493-29-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336		
<b>PROPANE</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 74-98-6	EC number: 200-827-9	REACH registration number: 01-2119486944-21-XXXX
<b>Classification</b> Not Classified		
<b>ISOBUTANE</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 75-28-5	EC number: 200-857-2	REACH registration number: 01-2119485395-27-XXXX
<b>Classification</b> Flam. Gas 1A - H220 Press. Gas		
<b>2-METHOXY-1-METHYLETHYL ACETATE</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 108-65-6	EC number: 203-603-9	REACH registration number: 01-2119475791-29-XXXX
<b>Classification</b> Flam. Liq. 3 - H226		
<b>BUTANOL-norm</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 71-36-3	EC number: 200-751-6	REACH registration number: 01-2119484630-38-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336		

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<b>PROPAN-2-OL</b>	<b>1-5%</b>
CAS number: 67-63-0	EC number: 200-661-7
	REACH registration number: 01-2119457558-25-XXXX
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
<b>TRIZINC BIS(ORTHOPHOSPHATE)</b>	<b>&lt;1%</b>
CAS number: 7779-90-0	EC number: 231-944-3
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>4-morpholinecarbaldehyde</b>	<b>&lt;1%</b>
CAS number: 4394-85-8	EC number: 224-518-3
	REACH registration number: 01-2119987993-12-XXXX
<b>Classification</b>	
Skin Sens. 1B - H317	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Keep affected person away from heat, sparks and flames. Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Not relevant.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	If liquid has entered the eyes, proceed as follows. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Get medical attention promptly if symptoms occur after washing.
<b>Inhalation</b>	May cause respiratory irritation. Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin contact</b>	May cause an allergic skin reaction. May cause skin irritation. Prolonged or repeated exposure may cause severe irritation.
<b>Eye contact</b>	Causes serious eye damage. Prolonged contact causes serious eye and tissue damage.

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

**Notes for the doctor** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

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

**Specific hazards** Risk of explosion if heated. Containers can burst violently or explode when heated, due to excessive pressure build-up.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

### SECTION 6: Accidental release measures

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

**Personal precautions** For personal protection, see Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** Not considered to be a significant hazard due to the small quantities used.

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

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Use approved respirator if air contamination is above an acceptable level.

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

**Storage precautions** Do not expose to temperatures exceeding 50°C/122°F.

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

**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

##### Occupational exposure limits

##### ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

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### BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

### BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m<sup>3</sup>

### ISOBUTANE

Long-term exposure limit (8-hour TWA): OES 800 ppm

Short-term exposure limit (15-minute): OES 800 ppm

### 2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m<sup>3</sup>(Sk)

### BUTANOL-norm

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 154 mg/m<sup>3</sup>(Sk)

### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

### ACETONE (CAS: 67-64-1)

#### DNEL

Consumer - Oral; Long term systemic effects: 62 mg/kg/day

Workers - Dermal; Long term systemic effects: 186 mg/kg/day

Consumer - Dermal; Long term systemic effects: 62 mg/kg/day

Workers - Inhalation; Short term local effects: 2420 mg/m<sup>3</sup>

Workers - Inhalation; Long term systemic effects: 1210 mg/m<sup>3</sup>

Consumer - Inhalation; Long term systemic effects: 200 mg/m<sup>3</sup>

#### PNEC

Fresh water; 10.6 mg/l

marine water; 1.06 mg/l

Intermittent release; 21 mg/l

Sediment (Freshwater); 30.4 mg/kg

Sediment (Marinewater); 3.04 mg/kg

Soil; 29.5 mg/kg

STP; 100 mg/l

### BUTYL ACETATE -norm (CAS: 123-86-4)

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<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 300 mg/m <sup>3</sup>
	Workers - Inhalation; Short term systemic effects: 600 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 300 mg/m <sup>3</sup>
	Workers - Inhalation; Short term local effects: 600 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 11 mg/kg bw/day
	Workers - Dermal; Short term systemic effects: 11 mg/kg bw/day
	General population - Inhalation; Long term systemic effects: 35.7 mg/m <sup>3</sup>
	General population - Inhalation; Short term systemic effects: 300 mg/m <sup>3</sup>
	General population - Inhalation; Long term local effects: 35.7 mg/m <sup>3</sup>
	General population - Inhalation; Short term local effects: 300 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 6 mg/kg bw/day
	General population - Dermal; Short term systemic effects: 6 mg/kg bw/day
	General population - Oral; Long term systemic effects: 2 mg/kg bw/day
General population - Oral; Short term systemic effects: 6 mg/kg bw/day	
<b>PNEC</b>	Fresh water; 0.18 mg/l
	marine water; 0.018 mg/l
	STP; 35.6 mg/l
	Sediment (Freshwater); 0.981 mg/kg sediment dw
	Sediment (Marinewater); 0.098 mg/kg sediment dw
	Soil; 0.09 mg/kg soil dw

### 2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 275 mg/m <sup>3</sup>
	Workers - Inhalation; Short term local effects: 550 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 796 mg/kg bw/day
	General population - Inhalation; Long term systemic effects: 33 mg/m <sup>3</sup>
	General population - Inhalation; Long term local effects: 33 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 320 mg/kg bw/day
General population - Oral; Long term systemic effects: 36 mg/kg bw/day	
<b>PNEC</b>	Fresh water; 0.635 mg/l
	marine water; 0.064 mg/l
	STP; 100 mg/l
	Sediment (Freshwater); 3.29 mg/kg sediment dw
	Sediment (Marinewater); 0.329 mg/kg sediment dw
	Soil; 0.29 mg/kg soil dw

### BUTANOL-norm (CAS: 71-36-3)

<b>DNEL</b>	Workers - irritation (respiratory tract); Long term local effects: 310 mg/m <sup>3</sup>
	General population - irritation (respiratory tract); Long term systemic effects: 55.357 mg/m <sup>3</sup>
	General population - irritation (respiratory tract); Long term local effects: 155 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 3.125 mg/kg/day
General population - Oral; Long term systemic effects: 1.562 mg/kg/day	
<b>PNEC</b>	Fresh water; 0.082 mg/l
	Fresh water, Intermittent release; 2.25 mg/l
	marine water; 0.008 mg/l
	STP; 2476 mg/l
	Sediment (Freshwater); 0.324 mg/kg
	Sediment (Marinewater); 0.032 mg/kg
Soil; 0.017 mg/kg	

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### PROPAN-2-OL (CAS: 67-63-0)

**DNEL** Workers - Inhalation; Long term systemic effects: 500 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 888 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 89 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 319 mg/kg/day  
 General population - Oral; Long term systemic effects: 26 mg/kg/day

**PNEC** Fresh water; Long term 140.9 mg/l  
 marine water; Long term 140.9 mg/l  
 Sediment (Freshwater); Long term 552 mg/kg sediment dw  
 Sediment (Marinewater); Long term 552 mg/kg sediment dw  
 Soil; Long term 28 mg/kg soil dw

### 4-morpholinecarbaldehyde (CAS: 4394-85-8)

**DNEL** Workers - Inhalation; Long term systemic effects: 50.3 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 13.3 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 11.7 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 8.93 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 13.3 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 4.17 mg/kg/day  
 General population - Oral; Long term systemic effects: 4.17 mg/kg/day

**PNEC** Fresh water; 0.5 mg/l  
 Fresh water, Intermittent release; 5 mg/l  
 marine water; 0.05 mg/l  
 STP; 2000 mg/l  
 Sediment (Freshwater); 2.69 mg/kg  
 Sediment (Marinewater); 0.269 mg/kg  
 Soil; 0.244 mg/kg

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: To protect hands from chemicals, gloves should comply with European Standard EN374. Butyl rubber. Protective gloves should have a minimum thickness of 0.4 mm. The selected gloves should have a breakthrough time of at least 1 hours.

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

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<b>Hygiene measures</b>	Use engineering controls to reduce air contamination to permissible exposure level. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Aerosol.
<b>Colour</b>	White.
<b>Odour</b>	Acetone. Ketonic.
<b>pH</b>	Not relevant.
<b>Flash point</b>	<0°C Closed cup.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 4.8 Upper flammable/explosive limit: 9.5
<b>Relative density</b>	0.860 - 0.900 @ 20°C
<b>Solubility(ies)</b>	Immiscible with water.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not applicable.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidising agents. Strong alkalis. Strong mineral acids.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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<b>ATE oral (mg/kg)</b>	12,469.97
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### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

### Skin corrosion/irritation

**Skin corrosion/irritation** May cause skin irritation. Prolonged or repeated exposure may cause severe irritation.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

### Respiratory sensitisation

**Respiratory sensitisation** No information available.

### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Not relevant.

**Inhalation** May cause respiratory irritation. Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** May be harmful if swallowed.

**Skin contact** May cause an allergic skin reaction. May cause skin irritation. Prolonged or repeated exposure may cause severe irritation.

**Eye contact** Causes serious eye damage. Prolonged contact causes serious eye and tissue damage.

### Toxicological information on ingredients.

#### ACETONE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,800.0

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<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	5,800.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	7,400.0
<b>Species</b>	Rabbit
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	76.0
<b>Species</b>	Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Not irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	No information available.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Negative.
<b>Genotoxicity - in vivo</b>	Negative.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	No evidence of reproductive toxicity in animal studies. REACH dossier information.
<b>Reproductive toxicity - development</b>	No evidence of reproductive toxicity in animal studies.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Central and/or peripheral nervous system damage. Narcotic effects
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not relevant.

### BUTANE

#### Acute toxicity - oral

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**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

### PROPANE

Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

### ISOBUTANE

Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

### 2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> > 5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC0 8100 mg/m<sup>3</sup>, 4 hours, Vapour Rat

Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

Skin sensitisation

**Skin sensitisation** Not sensitising.

Germ cell mutagenicity

**Genotoxicity - in vitro** Negative.

Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

Reproductive toxicity

## Simoniz Red Oxide Primer

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Not relevant.

### BUTANOL-norm

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 2292 mg/kg, Oral, Rat Harmful if swallowed.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> 3430 mg/kg, Dermal, Rabbit

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>0</sub> 17760 mg/m<sup>3</sup>, Inhalation, Rat

#### Skin corrosion/irritation

**Skin corrosion/irritation** Causes skin irritation.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

#### Respiratory sensitisation

**Respiratory sensitisation** No information available.

#### Skin sensitisation

**Skin sensitisation** Not sensitising.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** No adverse effects observed (negative)

**Genotoxicity - in vivo** No adverse effects observed (negative)

#### Carcinogenicity

**Carcinogenicity** No specific test data are available.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Fertility - NOAEL 500 mg/kg/day, Oral, Rat P Fertility - NOAEC 6189 mg/m<sup>3</sup>, Inhalation, Rat P Conclusive data but not sufficient for classification.

**Reproductive toxicity - development** Developmental toxicity: - NOAEL: 1454 mg/kg/day, Oral, Rat Developmental toxicity: - NOAEC: 10800 mg/m<sup>3</sup>, Inhalation, Rat This substance has no evidence of toxicity to reproduction.

#### Specific target organ toxicity - single exposure

## Simoniz Red Oxide Primer

**STOT - single exposure** May cause respiratory irritation

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Prolonged or repeated exposure may cause the following adverse effects: Central and/or peripheral nervous system damage.

### Aspiration hazard

**Aspiration hazard** Not relevant.

## PROPAN-2-OL

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,045.0

**Species** Rat

**ATE oral (mg/kg)** 5,045.0

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 12,800.0

**Species** Rabbit

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 20.0

**Species** Rat

### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising.

### Skin sensitisation

**Skin sensitisation** Not sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Does not contain any substances known to be mutagenic.

### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

## Simoniz Red Oxide Primer

**Reproductive toxicity - development** This substance has no evidence of toxicity to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Brain damage. Central and/or peripheral nervous system damage.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### 4-morpholinecarbaldehyde

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 7314 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> > 18400 mg/kg, Dermal, Rabbit

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> > 5.3 mg/l, Inhalation, Rat

### Skin corrosion/irritation

**Skin corrosion/irritation** No adverse effect observed (not irritating)

### Serious eye damage/irritation

**Serious eye damage/irritation** No adverse effect observed (not irritating)

### Respiratory sensitisation

**Respiratory sensitisation** No information available.

### Skin sensitisation

**Skin sensitisation** Sensitising. May cause an allergic skin reaction.

### Germ cell mutagenicity

**Genotoxicity - in vitro** No adverse effects observed (negative)

**Genotoxicity - in vivo** No specific test data are available.

### Carcinogenicity

**Carcinogenicity** No specific test data are available.

### Reproductive toxicity

**Reproductive toxicity - fertility** Two-generation study - NOAEL 300 mg/kg/day, Oral, Rat F0

**Reproductive toxicity - development** Developmental toxicity: - NOAEL: 1000 mg/kg/day, Oral, Rat This substance has no evidence of toxicity to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

## Simoniz Red Oxide Primer

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Not relevant.

## SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

#### Acute aquatic toxicity

**Acute toxicity - fish** No information available.

**Acute toxicity - aquatic invertebrates** Not available.

**Acute toxicity - aquatic plants** Not available.

**Acute toxicity - microorganisms** Not available.

**Acute toxicity - terrestrial** Not available.

#### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** Not available.

**Short term toxicity - embryo and sac fry stages** Not available.

**Chronic toxicity - aquatic invertebrates** Not available.

#### Ecological information on ingredients.

### ACETONE

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)  
LC<sub>50</sub>, 96 hours: 11000 mg/l, Marinewater fish  
LC<sub>50</sub>, 96 hours: 8300 mg/l, Lepomis macrochirus (Bluegill)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 8800 mg/l, Freshwater invertebrates

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: 7200 mg/l, Algae  
NOEC, 96 hours: 430 mg/l, Algae

**Acute toxicity - microorganisms** EC<sub>10</sub>, NOEC, 30 minutes: 1000 mg/l, Activated sludge

**Acute toxicity - terrestrial** LC<sub>50</sub>, 48 hours: 100-1000 µg/cm<sup>2</sup>, Eisenia Fetida (Earthworm)

#### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 28 days: 2212 mg/l, Daphnia magna

### 2-METHOXY-1-METHYLETHYL ACETATE

## Simoniz Red Oxide Primer

### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 100-180 mg/l, Pimephales promelas (Fat-head Minnow),  
Oncorhynchus mykiss (Rainbow trout), Oryzias latipes (Red killifish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 408-500 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: > 1000 mg/l, Algae

### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** LC<sub>50</sub>, 14 days: 63.5 mg/l, Oryzias latipes (Red killifish)  
NOEC, 14 days: 47.5 mg/l, Oryzias latipes (Red killifish)

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: > 100 mg/l, Daphnia magna

### BUTANOL-norm

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 1376 hours: 96 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1328 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: 225 mg/l, Selenastrum capricornutum

**Acute toxicity - microorganisms** EC<sub>10</sub>, 17 hours: 2476 mg/l, Pseudomonas putida

#### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 4.1 mg/l, Daphnia magna

### PROPAN-2-OL

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 24 hours: > 10000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 7 days: 180 mg/l, Selenastrum capricornutum

### 4-morpholinecarbaldehyde

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: > 500 mg/l, Leuciscus idus (Golden orfe)  
LC<sub>50</sub>, 96 : > 500 mg/l, Oryzias latipes (Red killifish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: > 500 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** ErC<sub>50</sub>, 72 hours: 23880 mg/l, Desmodemus subspicatus  
ErC<sub>10</sub>, 72 hours: 17040 mg/l, Desmodemus subspicatus

## Simoniz Red Oxide Primer

### Acute toxicity - microorganisms

EC10, 17 hours: > 2000 mg/l, Pseudomonas putida

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

### Ecological information on ingredients.

#### ACETONE

### Persistence and degradability

90 +/- 2.2%; 28 days Rapidly degradable

### Stability (hydrolysis)

The substance is readily biodegradable.

#### 2-METHOXY-1-METHYLETHYL ACETATE

### Persistence and degradability

Rapidly degradable

#### BUTANOL-norm

### Persistence and degradability

Rapidly degradable

#### PROPAN-2-OL

### Persistence and degradability

Rapidly degradable

#### 4-morpholinecarbaldehyde

### Persistence and degradability

Rapidly degradable

### Phototransformation

- Half-life : 4.3 hours  
Calculation method.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

### Ecological information on ingredients.

#### ACETONE

### Bioaccumulative potential

Bioaccumulation is unlikely.

#### 2-METHOXY-1-METHYLETHYL ACETATE

### Bioaccumulative potential

No potential for bioaccumulation.

### Partition coefficient

log Pow: 0.56

#### BUTANOL-norm

### Bioaccumulative potential

Bioaccumulation is unlikely.

### Partition coefficient

1.0 @ 25 deg C

## Simoniz Red Oxide Primer

### PROPAN-2-OL

**Bioaccumulative potential** No potential for bioaccumulation.  
**Partition coefficient** log Pow: 0.05

### 4-morpholinecarbaldehyde

**Bioaccumulative potential** No potential for bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is soluble in water. The product hardens to a solid, immobile substance.

#### Ecological information on ingredients.

### BUTANOL-norm

**Adsorption/desorption coefficient** - Koc: 3.471 @ 20°C

### PROPAN-2-OL

**Mobility** Mobile.  
**Surface tension** 22.7 mN/m @ 20°C

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### Ecological information on ingredients.

### ACETONE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 2-METHOXY-1-METHYLETHYL ACETATE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### BUTANOL-norm

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### PROPAN-2-OL

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 4-morpholinecarbaldehyde

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

## Simoniz Red Oxide Primer

### 12.6. Other adverse effects

**Other adverse effects**                      Not known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods**                      Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

**General**                                      Refer to the Dangerous Goods List for information on any Special Provisions 190, 327, 344, 625.

#### 14.1. UN number

<b>UN No. (ADR/RID)</b>	1950
<b>UN No. (IMDG)</b>	1950
<b>UN No. (ICAO)</b>	1950
<b>UN No. (ADN)</b>	1950

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	AEROSOLS
<b>Proper shipping name (IMDG)</b>	AEROSOLS
<b>Proper shipping name (ICAO)</b>	AEROSOLS
<b>Proper shipping name (ADN)</b>	AEROSOLS

#### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	2.1
<b>ADR/RID classification code</b>	5F
<b>ADR/RID label</b>	2.1
<b>IMDG class</b>	2.1
<b>ICAO class/division</b>	2.1
<b>ADN class</b>	2.1

#### **Transport labels**



#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

## Simoniz Red Oxide Primer

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended). 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 (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
<b>Authorisations (Annex XIV Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Annex XVII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

## Simoniz Red Oxide Primer

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>BOD: Biochemical Oxygen Demand.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>GHS: Globally Harmonized System.</p> <p>IARC: International Agency for Research on Cancer.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>LOAEC: Lowest Observed Adverse Effect Concentration.</p> <p>LOAEL: Lowest Observed Adverse Effect Level.</p> <p>LOEC: Lowest Observed Effect Concentration.</p> <p>NOAEC: No Observed Adverse Effect Concentration.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>SVHC: Substances of Very High Concern.</p> <p>UVCB - Unknown or variable composition, complex reaction products or Biological materials.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
<b>Revision date</b>	18/05/2021
<b>Revision</b>	3
<b>Supersedes date</b>	12/01/2017
<b>SDS number</b>	15033
<b>Hazard statements in full</b>	<p>H220 Extremely flammable gas.</p> <p>H222 Extremely flammable aerosol.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H226 Flammable liquid and vapour.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H302 Harmful if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>EUH208 Contains 4-morpholinecarbaldehyde. May produce an allergic reaction.</p>