

## **KMK 2601 UHS 2K 2:1 TOP CLEAR**

Version

1.0

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

#### **1.1 Product identifier**

Trade name : KMK 2601 UHS 2K 2:1 TOP CLEAR

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

Use of the Substance/Mixture : Clear coating

Recommended restrictions on use : For use in industrial installations or professional treatment only.

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

Company : Kimakem srl  
Via Don G. Fortuna 82  
36050 Monteviale-Vicenza  
Italia

Telephone : +39 0444 1220020

E-mail address of person responsible for the SDS : info@kimakem.com

#### **1.4 Emergency telephone number**

+39 0444 1220020 (Mon to Fri - 8:30 to 17:30)

### **SECTION 2: Hazards identification**

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

##### **Classification (REGULATION (EC) No 1272/2008)**

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Specific target organ toxicity - single exposure, Category 3, Central nervous system H336: May cause drowsiness or dizziness.

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

#### **2.2 Label elements**

##### **Labelling (REGULATION (EC) No 1272/2008)**

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Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
 H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements : **Prevention:**  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P260 Do not breathe vapours.  
 P260 Do not breathe spray.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- n-butyl acetate
- Derivative of benzotriazol
- Reaction product of pentamethyl-piperidyl sebacate
- methyl methacrylate
- 2-hydroxyethyl methacrylate

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

**3.2 Mixtures**

**Hazardous components**

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)

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	Index-No. Registration number		
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	>= 20 - < 30
ethyl 3-ethoxypropionate	763-69-9 212-112-9 01-2119463267-34	Flam. Liq. 3; H226	>= 1 - < 10
isobutyl methyl ketone	108-10-1 203-550-1 606-004-00-4 01-2119473980-30	Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335 EUH066	>= 1 - < 10
Hydrocarbons, C9, aromatics	Not Assigned 918-668-5 01-2119455851-35	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336, EUH066 Aquatic Chronic 2; H411	>= 2.5 - < 10
2-butoxyethyl acetate	112-07-2 203-933-3 607-038-00-2 01-2119475112-47	Acute Tox. 4; H302 Acute Tox. 4; H312	>= 1 - < 10
Derivative of benzotriazol	104810-47-1 400-830-7 607-176-00-3 01-0000015075-76-0017	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 0.25 - < 1
Reaction product of pentamethyl-piperidyl sebacate	1065336-91-5 915-687-0 01-2119491304-40	Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.25 - < 1
styrene	100-42-5 202-851-5 601-026-00-0 01-2119457861-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Repr. 2; H361d STOT RE 1; H372 Aquatic Chronic 3; H412	>= 0.1 - < 0.25
methyl methacrylate	80-62-6 201-297-1 607-035-00-6 01-2119452498-28	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335	>= 0.1 - < 1
2-hydroxyethyl methacrylate	868-77-9 212-782-2 607-124-00-X 01-2119490169-29	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 0.1 - < 1

For explanation of abbreviations see section 16.

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### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures**

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Symptoms : Inhalation may provoke the following symptoms:  
Headache  
Vertigo  
Fatigue  
Weakness  
Skin contact may provoke the following symptoms:  
Redness  
Pain  
Ingestion may provoke the following symptoms:  
Abdominal pain  
Nausea  
Vomiting  
Diarrhoea

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

- Treatment : No information available.

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media : No information available.

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

Specific hazards during firefighting : No information available.

#### **5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

### **SECTION 6: Accidental release measures**

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

Personal precautions : Remove all sources of ignition.  
Ensure adequate ventilation.

#### **6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

#### **6.4 Reference to other sections**

For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For subsequent waste disposal, follow the recommendations in section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

- Advice on safe handling : Avoid formation of aerosol.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : <\*\* Phrase language not available: [ EN ] CUST - Z99.00000000038 \*\*>
- Storage period : 12 Months
- Further information on storage stability : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

- Specific use(s) : For the use of this product do not exist particular recommendations apart from that already indicated.

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

**8.1 Control parameters**

**Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
n-butyl acetate	123-86-4	TWA	150 ppm	GB EH40

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			724 mg/m <sup>3</sup>	
		STEL	200 ppm 966 mg/m <sup>3</sup>	GB EH40
isobutyl methyl ketone	108-10-1	TWA	20 ppm 83 mg/m <sup>3</sup>	2000/39/EC
Further information	Indicative			
		STEL	50 ppm 208 mg/m <sup>3</sup>	2000/39/EC
Further information	Indicative			
		TWA	50 ppm 208 mg/m <sup>3</sup>	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	100 ppm 416 mg/m <sup>3</sup>	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
2-butoxyethyl acetate	112-07-2	TWA	20 ppm 133 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	50 ppm 333 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	20 ppm	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	50 ppm	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
styrene	100-42-5	TWA	100 ppm 430 mg/m <sup>3</sup>	GB EH40
		STEL	250 ppm 1,080 mg/m <sup>3</sup>	GB EH40
		TWA	20 ppm 85 mg/m <sup>3</sup>	
		STEL	40 ppm 170 mg/m <sup>3</sup>	
methyl methacrylate	80-62-6	TWA	50 ppm	2009/161/EU
Further information	Indicative			
		STEL	100 ppm	2009/161/EU
Further information	Indicative			
		STEL	100 ppm 416 mg/m <sup>3</sup>	GB EH40
		TWA	50 ppm 208 mg/m <sup>3</sup>	GB EH40

### Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
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isobutyl methyl ketone	108-10-1	4-methylpentan-2-one: 20 micromol per litre (Urine)	After shift	GB EH40 BAT
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**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

Substance name	End Use	Exposure routes	Potential health effects	Value
n-butyl acetate	Workers	Inhalation	Long-term systemic effects	480 mg/m <sup>3</sup>
2-butoxyethyl acetate	Workers	Inhalation	Long-term systemic effects	133 mg/m <sup>3</sup>
styrene	Workers	Inhalation	Long-term systemic effects	85 mg/m <sup>3</sup>

**8.2 Exposure controls**

**Personal protective equipment**

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection

Material : Solvent-resistant gloves

Skin and body protection

: Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance : viscous liquid

Colour : colourless

Odour : characteristic

pH : Not applicable

Melting point/range : not determined

Boiling point/boiling range : not determined

Flash point : 16 °C  
Method: ISO 1523, closed cup  
Setaflash

Upper explosion limit / Upper flammability limit : not determined



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Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	not determined
Density	:	0.994 g/cm <sup>3</sup> (20 °C) Method: ISO 2811-1
Solubility(ies) Water solubility	:	immiscible
Viscosity Viscosity, dynamic	:	482 mPa.s (20 °C) Method: ISO 2555
Viscosity, kinematic	:	> 20.5 mm <sup>2</sup> /s (40 °C)

### **9.2 Other information**

No data available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No decomposition if stored and applied as directed.

### **10.2 Chemical stability**

No decomposition if stored and applied as directed.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

### **10.4 Conditions to avoid**

Conditions to avoid : Heat, flames and sparks.

### **10.5 Incompatible materials**

Materials to avoid : No data available

### **10.6 Hazardous decomposition products**

No data available

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

**Acute toxicity**

**Product:**

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- 
- |                           |   |                                                                                                                   |
|---------------------------|---|-------------------------------------------------------------------------------------------------------------------|
| Acute oral toxicity       | : | Acute toxicity estimate: > 2,000 mg/kg<br>Method: Calculation method                                              |
| Acute inhalation toxicity | : | Acute toxicity estimate: > 20 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapour<br>Method: Calculation method |
| Acute dermal toxicity     | : | Acute toxicity estimate: > 2,000 mg/kg<br>Method: Calculation method                                              |

### **Components:**

#### **n-butyl acetate:**

- |                           |   |                                                                                                           |
|---------------------------|---|-----------------------------------------------------------------------------------------------------------|
| Acute oral toxicity       | : | LD50 Oral (Rat): 10,768 mg/kg<br>Method: OECD Test Guideline 401                                          |
| Acute inhalation toxicity | : | LC50 (Rat): 23.4 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapour<br>Method: OECD Test Guideline 403 |
| Acute dermal toxicity     | : | LD50 (Rabbit): 17,600 mg/kg<br>Method: OECD Test Guideline 402                                            |

#### **isobutyl methyl ketone:**

- |                           |   |                                                                                                          |
|---------------------------|---|----------------------------------------------------------------------------------------------------------|
| Acute oral toxicity       | : | LD50 Oral (Rat): 2,080 mg/kg<br>Method: OECD Test Guideline 401                                          |
| Acute inhalation toxicity | : | LC50 (Rat): 8.2 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapour<br>Method: OECD Test Guideline 403 |
| Acute dermal toxicity     | : | LD50 (Rabbit): 20,000 mg/kg<br>Method: OECD Test Guideline 402                                           |

#### **Hydrocarbons, C9, aromatics:**

- |                           |   |                                                                       |
|---------------------------|---|-----------------------------------------------------------------------|
| Acute oral toxicity       | : | LD50 Oral (Rat): 8,400 mg/kg                                          |
| Acute inhalation toxicity | : | LC50 (Rat): 3400 ppm<br>Exposure time: 4 h<br>Test atmosphere: vapour |

#### **2-butoxyethyl acetate:**

- |                           |   |                                                                 |
|---------------------------|---|-----------------------------------------------------------------|
| Acute oral toxicity       | : | LD50 Oral (Rat): 1,880 mg/kg<br>Method: OECD Test Guideline 401 |
| Acute inhalation toxicity | : | LC50 (Rat): 20 mg/l<br>Exposure time: 4 h                       |

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Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity : Acute toxicity estimate: 1,100 mg/kg  
Method: Converted acute toxicity point estimate

**Reaction product of pentamethyl-piperidyl sebacate:**

Acute oral toxicity : LD50 Oral (Rat): 3,230 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**styrene:**

Acute oral toxicity : LD50 Oral (Rat): 2,650 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 11.8 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**Skin corrosion/irritation**

**Product:**

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

**Serious eye damage/eye irritation**

**Product:**

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

**Respiratory or skin sensitisation**

**Product:**

Result: May cause sensitisation by skin contact.

**Germ cell mutagenicity**

**Product:**

Germ cell mutagenicity-Assessment : Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:**

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

### Reproductive toxicity

**Product:**

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

### STOT - single exposure

**Product:**

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

### STOT - repeated exposure

**Product:**

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

### Aspiration toxicity

**Product:**

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

### Further information

**Product:**

Remarks: Solvents may degrease the skin.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**n-butyl acetate:**

- Toxicity to fish : LC50 (Fish): 18 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 32 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Algae): 675 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

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### **isobutyl methyl ketone:**

- Toxicity to fish : LC50 (Fish): 179 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 200 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Algae): 400 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### **Hydrocarbons, C9, aromatics:**

- Toxicity to fish : LC50 (Fish): 9.22 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 6.14 mg/l  
Exposure time: 48 h

### **2-butoxyethyl acetate:**

- Toxicity to fish : LC50 (Fish): 28 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 37 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Algae): 1,570 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### **Derivative of benzotriazol:**

- Toxicity to fish : LC50 (Fish): 2.8 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 4 mg/l  
Exposure time: 48 h
- Toxicity to algae : EC50 (Algae): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- EC10 (Algae): 10 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.78 mg/l  
Exposure time: 21 d  
Species: Daphnia (water flea)

### **Reaction product of pentamethyl-piperidyl sebacate:**

Toxicity to fish : LC50 (Fish): 0.9 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 20 mg/l  
Exposure time: 24 h  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Algae): 1.68 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### **styrene:**

Toxicity to fish : LC50 (Fish): 9 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 4.7 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Algae): 1.4 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

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

#### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### **12.6 Other adverse effects**

#### **Product:**

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Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

### **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### **SECTION 14: Transport information**

#### **14.1 UN number**

**IMDG** : UN 1263

**IATA (Cargo)** : UN 1263

#### **14.2 UN proper shipping name**

**ADR** :

**IMDG** : PAINT

**IATA (Cargo)** : Paint

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

**ADR** : 3

**IMDG** : 3

**IATA (Cargo)** : 3

#### **14.4 Packing group**

**ADR**

Packing group : II

Classification Code : F1

Hazard Identification Number : 33

Labels : 3

Tunnel restriction code : (D/E)

**IMDG**

Packing group : II

Labels : 3

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EmS Code : F-E, S-E

**IATA (Cargo)**

Packing instruction (cargo aircraft) : 364

Packing instruction (LQ) : Y341

Packing group : II

Labels : Flammable Liquids

### 14.5 Environmental hazards

**ADR**

Environmentally hazardous : no

**IMDG**

Marine pollutant : no

### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t

#### Other regulations:

The product is classified and labelled in accordance with EC directives or respective national laws.

### 15.2 Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: Other information

### Full text of H-Statements

EUH066 : Repeated exposure may cause skin dryness or cracking.

H225 : Highly flammable liquid and vapour.

H226 : Flammable liquid and vapour.

H302 : Harmful if swallowed.

H304 : May be fatal if swallowed and enters airways.

H312 : Harmful in contact with skin.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H319 : Causes serious eye irritation.



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H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H361d	:	Suspected of damaging the unborn child.
H372	:	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

**Full text of other abbreviations**

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Acute aquatic toxicity
Aquatic Chronic	:	Chronic aquatic toxicity
Asp. Tox.	:	Aspiration hazard
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Repr.	:	Reproductive toxicity
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2009/161/EU	:	Europe. COMMISSION DIRECTIVE 2009/161/EU establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT	:	UK. Biological monitoring guidance values
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
2009/161/EU / TWA	:	Limit Value - eight hours
2009/161/EU / STEL	:	Short term exposure limit
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)

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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -

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Version

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International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to compile the Safety Data Sheet : <http://echa.europa.eu>, <http://eur-lex.europa.eu>

#### Classification of the mixture:

Flam. Liq. 2	H225
Skin Sens. 1	H317
STOT SE 3	H336
Aquatic Chronic 3	H412

#### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

GB / EN