

## SAFETY DATA SHEET LINEMARKER HD

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

#### 1.1. Product identifier

Product name LINEMARKER HD

Container size 5 litre container

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

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

Supplier Eli-Chem Resins UK Ltd T/A FixMaster  
Astra House  
The Common  
Cranleigh, Surrey  
GU6 8RZ (UK)  
01483 266636 support@FixMaster.co.uk

Emergency telephone 01483 266636 (Office hours only)

### SECTION 2: Hazards identification

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

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

Physical hazards Flam. Liq. 3 - H226

Health hazards Lact. - H362 STOT SE 3 - H336

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) R64, R52/53, R10, R67

Human health Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Irritating to eyes. May cause skin disorders if contact is repeated or prolonged.

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air.

#### 2.2. Label elements

**Pictogram**



**Signal word**

Warning

**Hazard statements**

H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H362 May cause harm to breast-fed children.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P261 Avoid breathing vapour/ spray.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/ doctor if you feel unwell.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains**

BUTYL ACETATE -norm, 1-METHOXY-2-PROPANOL, ETHYL ACETATE, CHLORINATED PARAFFIN

**Supplementary precautionary statements**

P201 Obtain special instructions before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 Ground/ bond container and receiving equipment.  
P241 Use explosion-proof electrical equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe vapour/ spray.  
P263 Avoid contact during pregnancy/ while nursing.  
P264 Wash contaminated skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P308+P313 IF exposed or concerned: Get medical advice/ attention.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

**2.3. Other hazards**

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

**3.2. Mixtures**

<b>BUTYL ACETATE -norm</b>	<b>5-10%</b>
CAS number: 123-86-4	EC number: 204-658-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	R10 R66 R67
STOT SE 3 - H336	

<b>1-METHOXY-2-PROPANOL</b>		<b>5-10%</b>
CAS number: 107-98-2		EC number: 203-539-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 R67	
Acute Tox. 4 - H312		
STOT SE 3 - H336		
<b>2-BUTOXYETHANOL</b>		<b>5-10%</b>
CAS number: 111-76-2		EC number: 203-905-0
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R20/21/22 Xi;R36/38	
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
<b>ETHYL ACETATE</b>		<b>1-5%</b>
CAS number: 141-78-6		EC number: 205-500-4
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xi;R36 R66 R67	
STOT SE 3 - H336		
<b>CHLORINATED PARAFFIN</b>		<b>1-5%</b>
CAS number: 85535-85-9		EC number: 287-477-0
M factor (Acute) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Lact. - H362	N;R50/53. R64,R66.	
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
<b>ISODECYLOXPROPYLAMINE ACETATE</b>		<b>&lt;1%</b>
CAS number: 28701-67-9		
M factor (Chronic) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R22. C;R34. Xi;R37. N;R50/53. R43.	
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Aquatic Chronic 1 - H410		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

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

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

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

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

**Specific hazards** The product is flammable. Heating may generate flammable vapours. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Absorb spillage with non-combustible, absorbent material. Avoid the spillage or runoff entering drains, sewers or watercourses.

#### 6.4. Reference to other sections

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

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

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

**Storage precautions** Keep away from oxidising materials, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.

**Storage class** Flammable liquid storage.

## 7.3. Specific end use(s)

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### 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>

##### 1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 375 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 560 mg/m<sup>3</sup>(Sk)

##### 2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

##### ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

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

**DNEL** Industry - Inhalation; Short term : 960 mg/m<sup>3</sup>  
Industry - Inhalation; Long term : 480 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term : 859.7 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term : 102.34 mg/m<sup>3</sup>

**PNEC** - Fresh water; 0.18 mg/l  
- Marine water; 0.018 mg/l  
- STP; 35.6 mg/l  
- Sediment (Freshwater); 0.981 mg/kg  
- Sediment (Marinewater); 0.0981 mg/kg  
- Soil; 0.0903 mg/kg

#### 1-METHOXY-2-PROPANOL (CAS: 107-98-2)

**DNEL** Industry - Inhalation; Short term local effects: 553.5 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 50.6 mg/kg/day  
Industry - Inhalation; Long term systemic effects: 369 mg/m<sup>3</sup>  
Consumer - Dermal; Long term systemic effects: 18.1 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 43.9 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 3.3 mg/kg/day

PNEC	- Fresh water; 10 mg/l
	- Marine water; 1 mg/l
	- STP; 100 mg/l
	- Sediment (Freshwater); 41.6 mg/kg
	- Sediment (Marinewater); 4.17 mg/kg
	- Soil; 2.47 mg/kg
	- Intermittent release; 100 mg/l

**2-BUTOXYETHANOL (CAS: 111-76-2)**

DNEL	Workers - Dermal; Short term systemic effects: 89 mg/kg
	Workers - Inhalation; Short term systemic effects: 135 ppm
	Workers - Inhalation; Short term local effects: 50 ppm
	Workers - Dermal; Long term systemic effects: 75 mg/kg
	Workers - Inhalation; Long term systemic effects: 20 ppm
	Consumer - Dermal; Short term systemic effects: 44.5 mg/kg
	Consumer - Inhalation; Short term systemic effects: 426 mg/m <sup>3</sup>
	Consumer - Oral; Short term systemic effects: 13.4 mg/kg
	Consumer - Inhalation; Short term local effects: 123 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term systemic effects: 49 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 3.2 mg/kg

PNEC	- Fresh water; 8.8 mg/l
	- Marine water; 0.88 mg/l
	- STP; 463 mg/l
	- Sediment (Freshwater); 34.6 mg/kg
	- Sediment (Marinewater); 3.46 mg/kg
	- Soil; 2.8 mg/kg

**CHLORINATED PARAFFIN (CAS: 85535-85-9)**

DNEL	Industry - Dermal; Long term systemic effects: 11.5 mg/kg/day
	Industry - Inhalation; Long term systemic effects: 1.6 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 5.75 mg/kg/day
	General population - Inhalation; Long term systemic effects: 0.4 mg/m <sup>3</sup>
	General population - Oral; Long term systemic effects: 0.115 mg/kg/day

PNEC	- Fresh water; 0.001 mg/l
	- Marine water; 0.0002 mg/l
	- STP; 80 mg/l
	- Sediment (Freshwater); 13 mg/kg/day
	- Sediment (Marinewater); 2.6 mg/kg/day
	- Soil; 20 mg/kg/day

**8.2. Exposure controls**

**Protective equipment**



**Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

**Eye/face protection**

The following protection should be worn: Chemical splash goggles.

**Hand protection**

Use protective gloves.

<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.
<b>Hygiene measures</b>	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. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Various colours.
<b>Odour</b>	Fruity. Characteristic.
<b>Initial boiling point and range</b>	76 - 181 @°C @ 760 mm Hg
<b>Flash point</b>	24 C°C CC (Closed cup).
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 0.8
<b>Vapour density</b>	>1
<b>Relative density</b>	1.2 - 1.3 @ @ 20 C°C
<b>Solubility(ies)</b>	Immiscible with water
<b>Viscosity</b>	80 - 200 cP @ 20 C°C

### 9.2. Other information

<b>Volatility</b>	65
<b>Volatile organic compound</b>	This product contains a maximum VOC content of <600 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

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

### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat. Avoid contact with the following materials: Strong oxidising agents.
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### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	26,428.57
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ATE dermal (mg/kg) 12,672.81

**Acute toxicity - inhalation**

ATE inhalation (vapours mg/l) 196.43

<b>Inhalation</b>	Irritating to respiratory system. Vapours may cause drowsiness and dizziness.
<b>Ingestion</b>	Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Irritating to eyes.
<b>Target organs</b>	Skin Eyes Respiratory system, lungs

Toxicological information on ingredients.

BUTYL ACETATE -norm

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 10,760.0

Species Rat

ATE oral (mg/kg) 10,760.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 14,112.0

Species Rabbit

ATE dermal (mg/kg) 14,112.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 23.4

Species Rat

ATE inhalation (vapours mg/l) 23.4

Reproductive toxicity

Reproductive toxicity - fertility - NOAEC 3615 mg/m<sup>3</sup>, , Rat

Reproductive toxicity - development - LOAEC: 7230 mg/m<sup>3</sup>, , Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEC 500 ppmV/4hr/day, Inhalation, Rat

1-METHOXY-2-PROPANOL

Acute toxicity - oral



Acute toxicity oral  
(LD<sub>50</sub> o mg/kg) 4,016.0

Species Rat

ATE oral (mg/kg) 4,016.0

Acute toxicity - dermal

Acute toxicity dermal  
(LD<sub>50</sub> o mg/kg) 2,000.0

Species Rabbit

ATE dermal (mg/kg) 2,000.0

2-BUTOXYETHANOL

Acute toxicity - oral

Acute toxicity oral  
(LD<sub>50</sub> o mg/kg) 1,480.0

Species Rat

ATE oral (mg/kg) 1,480.0

Acute toxicity - inhalation

Acute toxicity inhalation  
(LC<sub>50</sub> o vapours mg/l) 450.0

Species Rat

ATE inhalation (vapours  
mg/l) 11.0

ETHYLACETATE

Acute toxicity - oral

Acute toxicity oral  
(LD<sub>50</sub> o mg/kg) 5,620.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation  
(LC<sub>50</sub> o vapours mg/l) 1,600.0

Species Rat

CHLORINATED PARAFFIN

Acute toxicity - oral

Acute toxicity oral  
(LD<sub>50</sub> o mg/kg) 4,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal  
(LD<sub>50</sub> o mg/kg) 4,000.0

Species	Rat
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC <sub>50</sub> o vapours mg/l)	48,170.0

Species	Rat
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#### ISODECYLOXPROPYLAMINE ACETATE

#### Acute toxicity - oral

Acute toxicity oral (LD <sub>50</sub> o mg/kg)	1,200.0
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Species	Rat
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ATE oral (mg/kg)	1,200.0
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### SECTION 12: Ecological Information

**Ecotoxicity** The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### 12.1. Toxicity

#### Ecological information on ingredients.

#### BUTYL ACETATE -norm

Acute toxicity - fish	LC <sub>50</sub> o , 96 hours: 18 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> o , 48 hours: 44 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> o , 72 hours: 647.7 mg/l, Desmodemus subspicatus

#### 1-METHOXY-2-PROPANOL

Acute toxicity - fish	LC <sub>50</sub> o , 96 hours: 6812 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> o , 48 hours: >21100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> o , 7 days: >1000 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC <sub>50</sub> o , 3 hours: >1000 mg/l, Activated sludge

#### 2-BUTOXYETHANOL

Acute toxicity - fish	LC <sub>50</sub> o , 48 hours: 1395 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	LC <sub>50</sub> o , 24 hours: 1815 mg/l, Daphnia magna
Acute toxicity - aquatic plants	LC <sub>50</sub> o , 72 hours: 500 mg/l, Fish

CHLORINATED PARAFFIN

Acute aquatic toxicity

LE(C) <sub>50</sub>	0.1 < L(E)C <sub>50</sub> ≤ 1
M factor (Acute)	1
Acute toxicity - fish	, : 5900 mg/l, Algae
Acute toxicity - aquatic invertebrates	NOEC, : 0.01 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 96 hours: 3.2 mg/l, Fish
Acute toxicity - terrestrial	NOEC, : 50 mg/l, Eisenia Fetida (Earthworm)

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Rapidly degradable

ISODECYLOXPROPYLAMINE ACETATE

Acute aquatic toxicity

LE(C) <sub>50</sub>	0.01 < L(E)C <sub>50</sub> ≤ 0.1 0.1 < L(E)C <sub>50</sub> ≤ 1
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Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
M factor (Chronic)	1

12.2. Persistence and degradability

Ecological information on ingredients.

BUTYL ACETATE -norm

Biodegradation	Water - Degradation 83: 28 days
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1-METHOXY-2-PROPANOL

Biodegradation	- Degradation 96: 28 days
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12.3. Bioaccumulative potential

Ecological information on ingredients.

1-METHOXY-2-PROPANOL

Partition coefficient	log Kow: -0.43
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12.4. Mobility in soil

Ecological information on ingredients.

BUTYL ACETATE -norm

Surface tension	61.3 mN/m @ °C
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1-METHOXY-2-PROPANOL

Adsorption/desorption coefficient      Water - : ~ 0.6 @ °C

Henry's law constant                      ~ 0.0000014 atm m<sup>3</sup>/mol @ °C

## 12.5. Results of PBT and vPvB assessment

### Ecological information on ingredients.

#### 1-METHOXY-2-PROPANOL

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

## 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**                      Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods**                        Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)                        1263

UN No. (IMDG)                            1263

UN No. (ICAO)                            1263

UN No. (ADN)                             1263

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)      PAINT

Proper shipping name (IMDG)        PAINT

Proper shipping name (ICAO)        PAINT

Proper shipping name (ADN)        PAINT

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

ADR/RID class                             3

ADR/RID classification code        F1

ADR/RID label                            3

IMDG class                                3

ICAO class/division                    3

ADN class                                 3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	• 3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

#### 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). Control of Substances Hazardous to Health Regulations 2002 (as amended)
<b>EU legislation</b>	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).
<b>Guidance</b>	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

Issued by	HS&E Manager.
Revision date	19/05/2015
Revision	4
Supersedes date	02/08/2013

**Risk phrases in full**

R10 Flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R37 Irritating to respiratory system.  
R43 May cause sensitisation by skin contact.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R64 May cause harm to breastfed babies.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.  
R11 Highly flammable

**Hazard statements in full**

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H362 May cause harm to breast-fed children.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

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