

# Bitumen Emulsion K140 25kg



## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 453/2010

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

#### 1.1. Product identifier

Product Name	Bitumen Emulsion K140
Product Inclusion	This document covers Bitumen Emulsion K140 only.
Container Size	25kg

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

Identified Uses	Cold applied surface dressing tack coat. For professional use only.
Uses advised against	No specific uses advised against are identified.

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

Supplier	Meon Ltd. Railside Northarbour Spur Portsmouth PO6 3TU  +44 (0) 23 9220 0606 mail@meonuk.com
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#### 1.4. Emergency Telephone Number

Emergency telephone	+44 (0) 808 118 1922
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### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No. 1272/2008 [CLP], GB CLP  
Hazardous to the aquatic environment – Chronic Hazard, Category 3, H412

Full text of H and EUH statements: see section 16.

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

Harmful to aquatic life with long lasting effects.

#### 2.2. Label Elements

Signal word (CLP):	No information available.
Hazard statements (CLP):	H412 – Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP):	P273 – Avoid release to the environment. P501 – Dispose of the contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$   
assessed in accordance with REACH Annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable.

#### 3.2. Mixtures

Name	CAS No. EC No. Index No.	Classification	%
Asphalt substance with national workplace exposure limit(s) (GB)	CAS-No.: 8052-42-4 EC-No.: 232-490-9	Not classified	< 5
Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01- 2119962190-43)	CAS-No.: 1290049-56-7 EC-No.: 800-029-6	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	< 5
Hydrochloric Acid... 100% Substance with national workplace exposure limit(s) (GB, IE); substance with a Community workplace exposure limit	CAS-No.: 7647-01-0 EC-No.: 231-595-7 EC Index-No.: 017-002-01-X	Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	< 5
DI Methoxy propanol substance with a Community workplace exposure limit	CAS-No.: 34590-94-8	Not classified	< 5

#### Specific concentration limits:

Name	CAS No. EC No. Index No.	
Hydrochloric Acid...100%	CAS-No.: 7647-01-0 EC-No.: 231-595-7 EC Index-No.: 017-002-01-X	(10 $\leq$ C $\leq$ 25) Skin Irrit. 2, H315 (10 $\leq$ C $\leq$ 25) Eye Irrit. 2, H319 (10 $\leq$ C < 100) STOT SE 3, H335 (25 $\leq$ C < 100) Skin Corr. 1B, H314

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Move the exposed person to fresh air and keep comfortable for breathing.
<b>Eye contact:</b>	Rinse eyes with water as a precaution.
<b>Skin contact:</b>	Wash skin with plenty of water.
<b>Ingestion:</b>	Call a poison doctor if you feel unwell.

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

No additional information available.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray Dry powder Foam Carbon dioxide
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#### **Extinguishing media which must not be used for safety reasons**

No information available.

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

##### **Hazardous decomposition products in case of fire:**

Toxic fumes may be released.

#### 5.3. Advice for firefighters

<b>Special protective equipment for firefighting</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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### SECTION 6: Accidental release measures

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

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

<b>Emergency procedures:</b>	Ventilate spillage area.
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##### 6.1.2. For emergency responders

<b>Protective equipment</b>	Do not attempt to take action without suitable protective equipment. further information refer to section 8: "Exposure controls/personal protection".
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#### 6.2. Environmental precautions

Avoid release into the environment.

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

<b>Precautions for safe handling:</b>	Ensure good ventilation of the workstation. Wear personal protective equipment.
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<b>Hygiene measures:</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
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## 6.4. Reference to other sections

For further information see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions on safe handling

**Precautions on safe handling:** Ensure good ventilation of the workstation.  
Wear personal protective equipment.

**Hygiene measures:** Do not eat, drink or smoke when using this product.  
Always wash hands after handling the product.

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

**Storage conditions:** Store in well-ventilated place. Keep cool.

### 7.3. Specific and uses.

No additional information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Asphalt (8052-42-4)	
United Kingdom - Occupational Exposure Limits	
WEL TWA [1]	5 mg/m <sup>3</sup>
WEL STEL	10mg/m <sup>3</sup>
DI Methoxy propanol (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	308 mg/m <sup>3</sup>
IOEL TWA [ppm]	50 ppm
Hydrochloric Acid...100% (7647-01-0)	
EU – Indicative Occupational Exposure Limit (IOEL)	
IOEL STEL	15 mg/m <sup>3</sup>
IOEL STEL [ppm]	10 ppm
United Kingdom – Occupational Exposure Limits	
WEL TWA [1]	2 mg/m <sup>3</sup>
WEL TWA [2]	1 ppm
WEL STEL	8 mg/m <sup>3</sup>
WEL STEL (ppm)	5 ppm

#### 8.1.2. Recommended monitoring procedures

No additional information available.

#### 8.1.3 Air contaminants formed.

No additional information available.

#### 8.1.4. DNEL and PNEC

No additional information available.

#### 8.1.5 Control banding

No additional information available.

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### 8.2 Exposure Controls

#### 8.2.1 Appropriate engineering controls

Ensure good ventilation of the workstation.

#### 8.2.2 Personal protective equipment

Personal protective equipment symbol(s):



##### 8.2.2.1 Eye and face protection

**Eye protection:**

Safety glasses

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing.

**Hand protection:**

Protective gloves

##### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

##### 8.2.2.4. Thermal hazards

No additional information available.

### 8.2.3. Environmental Exposure controls

Avoid release to the environment.

## SECTION 9: Physical and Chemical Properties

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

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Black
<b>Odour:</b>	Characteristic odour
<b>Odour threshold:</b>	No data available.
<b>PH:</b>	No data available.
<b>Relative evaporation rate (butyl acetate=1):</b>	No data available.
<b>Melting point:</b>	Not applicable.
<b>Freezing point:</b>	No data available.
<b>Boiling point:</b>	No data available.
<b>Flash point:</b>	N/A
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Vapour pressure:</b>	No data available.
<b>Relative vapour density at 20°C</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility:</b>	No data available.
<b>Partition coefficient n-octanol/water (Log Pow)</b>	No data available.
<b>Viscosity, kinematic</b>	No data available.
<b>Viscosity, dynamic</b>	No data available.
<b>Explosive properties</b>	No data available.

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**Oxidising properties**

No data available.

**Explosive limits**

No data available.

### **9.2. Other information**

No additional information available.

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

### **10.1. Reactivity**

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

### **10.2. Chemical stability**

Stable under normal conditions.

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

No dangerous reactions known under normal conditions of use.

### **10.4. Conditions to avoid.**

None under recommended storage and handling conditions (see section 7).

### **10.5. Incompatible materials**

No additional information available.

### **10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### **11.1. Toxicological information**

**Acute toxicity (oral):**

Not classified

**Acute toxicity (dermal):**

Not classified

**Acute toxicity (inhalation):**

Not classified

<b>Asphalt (8052-42-4)</b>	
<b>LD50 oral rat</b>	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
<b>LD50 dermal rabbit</b>	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
<b>LC50 inhalation rat (mg/l)</b>	> 0.0944 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
<b>Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01-2119962190-43) (1290049-56-7)</b>	
<b>LD50 oral rat</b>	200 – 2000 mg/kg
<b>HYDROCHLORIC ACID...100% (7647-01-0)</b>	
<b>LD50 oral rat</b>	LD50 oral rat
2222 mg/kg	2222 mg/kg
<b>LD50 dermal rabbit</b>	LD50 dermal rabbit
<b>Skin corrosion/irritation</b>	Not classified

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HYDROCHLORIC ACID...100% (7647-01-0)	
PH	< 1
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01-2119962190-43) (1290049-56-7)	
NOAEL (animal/male, F0/P)	1 mg/kg bodyweight
NOAEL (animal/female, F0/P)	> 25 mg/kg bodyweight
NOAEL (animal/male, F1)	> 25 mg/kg bodyweight
NOAEL (animal/female, F1)	> 25 mg/kg bodyweight
STOT-single exposure	Not classified
HYDROCHLORIC ACID...100% (7647-01-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not classified
Asphalt (8052-42-4)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	LOAEC (inhalation, rat, dust/mist/fume, 90 days)
Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01-2119962190-43) (1290049-56-7)	
NOAEL (oral, rat, 90 days)	NOAEL (oral, rat, 90 days)
0.4 mg/kg bodyweight/day	0.4 mg/kg bodyweight/day
NOAEL (subacute, oral, animal/male, 28 days)	NOAEL (subacute, oral, animal/male, 28 days)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified.

### SECTION 12: Ecological information

#### **12.1. Toxicity**

Ecology – general:	Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute):	Not classified.
Hazardous to the aquatic environment, long-term (chronic):	Harmful to aquatic life with long lasting effects
Not rapidly degradable.	

Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01-2119962190-43) (1290049-56-7)	
LC50 - Fish [1]	0.13 mg/l
EC50 - Daphnia [1]	0.31 mg/l
ErC50 other aquatic plants	0.016 mg/l
EC10, daphnia	0.01 mg/l
NOEC, algae	0.01 mg/l
NOAEC, Soil	500 mg/l
HYDROCHLORIC ACID...100% (7647-01-0)	
LC50 Fish [1]	20.5 mg/l
EC50 – Daphnia [1]	0.73 mg/l
EC50 – Other aquatic Organisms	0.23 mg/l

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EC50 72h – Algae [1]	0.73 mg/l
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### **12.2. Persistence and degradability**

<b>Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01-2119962190-43) (1290049-56-7)</b>	
Biodegradation	61 %

### **12.3. Bioaccumulative potential**

<b>Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01-2119962190-43) (1290049-56-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	Partition coefficient n-octanol/water (Log Pow)

### **12.4. Mobility in soil**

<b>Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, ethoxylated (01-2119962190-43) (1290049-56-7)</b>	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	Organic Carbon Normalized Adsorption Coefficient (Log Koc)

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

No additional information available.

### **12.6. Other adverse effects**

No additional information available.

## **SECTION 13: Disposal considerations**

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

Dispose of contents/container in accordance with licensed collectors sorting instructions.

## **SECTION 14: Transport information**

### **In accordance with ADR / IMDG /IATA /AND /RID**

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2 UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available.				

### **14.6 Special precautions for user**

#### **Overland transport**

Not applicable.



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### Transport by seam

Not applicable.

### Air transport

Not applicable.

### Inland waterway transport

Not applicable.

### Rail transport

Not applicable.

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

Not applicable.

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## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### **REACH Annex XVII (Restriction List)**

Contains no REACH substances with Annex XVII restrictions

##### **REACH Annex XIV (Authorisation List)**

Contains no REACH Annex XIV substances

##### **REACH Candidate List (SVHC)**

Contains no substance on the REACH candidate list

##### **PIC Regulation (Prior Informed Consent)**

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### **Ozone Regulation (1005/2009)**

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

##### **Explosives Precursors Regulation (2019/1148)**

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### **Drug Precursors Regulation (273/2004)**

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

No additional information available

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### SECTION 16: Other information

#### Abbreviations and acronyms

<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ATE</b>	Acute Toxicity Estimate
<b>BCF</b>	Bioconcentration factor
<b>BLV</b>	Biological limit value
<b>BOD</b>	Biochemical oxygen demand (BOD)
<b>COD</b>	Chemical oxygen demand (COD)
<b>DMEL</b>	Derived Minimal Effect level
<b>DNEL</b>	Derived-No Effect Level
<b>EC-No.</b>	European Community number
<b>EC50</b>	Median effective concentration
<b>EN</b>	European Standard
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>LC50</b>	Median lethal concentration
<b>LD50</b>	Median lethal dose
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>NOAEC</b>	No-Observed Adverse Effect Concentration
<b>NOAEL</b>	No-Observed Adverse Effect Level
<b>NOEC</b>	No-Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>PNEC</b>	Predicted No-Effect Concentration
<b>RID</b>	Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>STP</b>	Sewage treatment plant
<b>ThOD</b>	Theoretical oxygen demand (ThOD)
<b>TLM</b>	Median Tolerance Limit
<b>VOC</b>	Volatile Organic Compounds
<b>CAS-No.</b>	Chemical Abstract Service number
<b>N.O.S.</b>	Not Otherwise Specified
<b>vPvB</b>	Very Persistent and Very Bioaccumulative
<b>ED</b>	Endocrine disrupting properties

#### Full text of H- and EUH-statements:

<b>Acute Tox. 4 (Oral)</b>	Acute toxicity (oral), Category 4
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment — Acute Hazard, Category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 1
<b>Eye Dam. 1</b>	Serious eye damage/eye irritation, Category 1
<b>Eye Irrit. 2</b>	Serious eye damage/eye irritation, Category 2
<b>H302</b>	Harmful if swallowed.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H315</b>	Causes skin irritation.
<b>H318</b>	Causes serious eye damage.
<b>H319</b>	Causes serious eye irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H372</b>	Causes damage to organs through prolonged or repeated exposure.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.

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<b>Skin Corr. 1A</b>	Skin corrosion/irritation, Category 1A
<b>Skin Corr. 1B</b>	Skin corrosion/irritation, Category 1B
<b>Skin Irrit. 2</b>	Skin corrosion/irritation, Category 2
<b>STOT RE 1</b>	Specific target organ toxicity — Repeated exposure, Category 1
<b>STOT SE 3</b>	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

### *Disclaimer*

*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.*