# Technical Data SPRAYCO 75 Bitumen Emulsion C67BP3



# **Product Description**

Sprayco 75 is a modified bitumen emulsion which is used in conjunction with suitable washed, durable natural aggregate chippings to provide a hand-applied surface coating to small areas of existing asphalt and concrete surfaces such as footways, cycle paths, driveways and as a decorative finish to landscaped areas. Sprayco 75 has an enhanced viscosity to reduce run-off, and the cohesive strength of a polymer emulsion to provide durability.



# **Application**

Sprayco 75 is a modified bitumen emulsion which is used in conjunction with suitable washed, durable natural aggregate chippings to provide a hand-applied surface coating to small areas of existing asphalt and concrete surfaces such as footways, cycle paths, driveways and as a decorative finish to landscaped areas. Sprayco 75 has an enhanced viscosity to reduce run-off, and the cohesive strength of a polymer emulsion to provide durability.

# **Surface Preparation**

Sprayco 75 is a modified bitumen emulsion which is used in conjunction with suitable washed, durable natural aggregate chippings to provide a hand-applied surface coating to small areas of existing asphalt and concrete surfaces such as footways, cycle paths, driveways and as a decorative finish to landscaped areas. Sprayco 75 has an enhanced viscosity to reduce run-off, and the cohesive strength of a polymer emulsion to provide durability.

# **Storage**

Sprayco 75 Emulsion should be protected from frost and under normal conditions has a shelf life of 6 months. Some sedimentation can occur during storage, although the product can be re-homogenised by thorough stirring.

# **Health & Safety**

Reference should be made to the product Safety Data Sheet



## **Performance**

Conforms to BS EN 13808:2013 Bitumen and bituminous binders - Framework for specifying cationic bituminous emulsions.

## Sizes Available

Sprayco 75 is supplied in 1,000 litre IBC's, 200 Litre Drums, or 25 litre kegs.

## **Additional Information**

All products should be used in accordance with the manufacturer's instructions. No responsibility can be taken by the manufacturer where conditions of use are beyond our control. Whilst any information and/or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us or our Representatives, Agents, Distributors as the conditions of use and any labour involved are beyond our control. Red Stag Technical Data Sheets are updated on a regular basis. To ensure that this Technical Data Sheet has not been superseded, please contact Red Stag Materials.

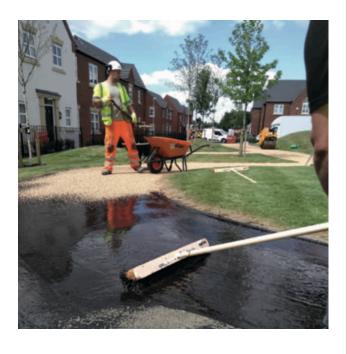
# Technical Data SPRAYCO 75 Bitumen Emulsion C67BP3



## **Installation Instructions**

Stir pails of Sprayco 75 well before use. Drums should be rolled to agitate the contents. Single-coat application: Apply Sprayco 75 to the surface by pouring a known quantity onto a pre-measured area and spreading with a dampened soft broom to achieve a uniform film at the required rate of spread. Apply the chippings by hand to achieve a single chipping depth with shoulder to shoulder contact, plus 10% surplus. Lightly roll the chippings to achieve a tight, even finish. Allow the emulsion to fully cure before sweeping to remove surplus chippings.

Double-coat application: Apply the first coat as before, but reduce the coverage of chippings to approximately 95% before lightly rolling. Allow to cure for at least 24 hours before applying the second coat of Sprayco 75 and a second layer of chippings at approximately 110% coverage. Roll the surface again. Allow the emulsion to fully cure, ensuring the chippings are fully bonded before removing any excess chippings. Double-coat application is recommended for improved durability, particularly on semi-porous or concrete surfaces.



















# Technical Data Red Stag K140 Tack Coat



Declared Performance					
Essential Characteristic	Performance		Harmonised technical specification		
MANUFACTURED EMULSION	VALUE	CLASS			
Viscosity (EN 12846) [Efflux time 4mm @ 40°C]	5-70s	Class 5			
Water effect on binder adhesion (EN 13614)	≥ 90%	Class 3			
Breaking Behaviour (EN 13075-1)	70-155	Class 3			
Dangerous Substances	NR	NR			
RECOVER BINDER (EN 13074-1)	VALUE	CLASS			
Consistency at intermediate service temperature (EN 1426)	≤ 150 dmm	Class 4	EN 13808 2013		
Consistency at elevated service temperature (EN 1427)	≥ 46°C	Class 5			
Cohesion (modified bitumen emulsions) (EN 13588)	≥ 1.0	Class 4			
STAGE 1 DURABILITY - STABILISED RESIDUAL BINDER (EN 13074-1, 13074-2)	VALUE	CLASS			
Consistency at intermediate service temperature (EN 1426)	≤ 150 dmm	Class 4			
Consistency at elevated service temperature (EN 1427)	≥ 46°C	Class 5			
Cohesion (modified bitumen emulsions) (EN 13588)	≥ 1.0	Class 4			





## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 1/6/2023 Revision date: 2/7/2024 Supersedes version of: 2/6/2024 Version: 5.0

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

#### 1.1. Product identifier

Product form : Mixture
Product name : Sprayco 75
Product code : 18200

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture 1.2.2.
Uses advised against No additional information available

: Polymer modified bituminious emulsion used as an aggregate binder or tack coat

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

Jobling Purser Paradise Works Scotswood Road NE15 6BZ Newcastle – Tyne And Wear England

T T 0191 2732331 (Office Hours 7am - 5pm) - F 0191 2260129

info@joblingpurser.com - www.joblingpurser.com

#### 1.4. Emergency telephone number

Emergency number : T 0191 2732331 (Office Hours 7am - 5pm) - F 0191 2260129

#### SECTION 2: Hazards identification

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

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, H412

Category 3

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

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

#### 3.1. Substances

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified
Asphalt substance with national workplace exposure limit(s) (GB)	CAS-No.: 8052-42-4 EC-No.: 232-490-9	< 10	Not classified
HYDROCHLORIC ACID100% 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	< 0.5	Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, thoxylated (01-2119962190-43)	CAS-No.: 1290049-56-7 EC-No.: 800-029-6	< 0.5	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) Not classified
DI METHOXYPROPANOL substance with a Community workplace exposure limit	CAS-No.: 34590-94-8	< 0.5	

Specific concentration limits:		
Name HYDROCHLORIC ACID100%	Product identifier	Specific concentration limits (%)
	CAS-No.: 7647-01-0 EC-No.: 231-595-7 EC Index-No.: 017-002-01-X	$(10 \le C \le 25)$ Skin Irrit. 2, H315 $(10 \le C \le 25)$ Eye Irrit. 2, H319 $(10 \le C < 100)$ STOT SE 3, H335 $(25 \le C < 100)$ Skin Corr. 1B, H314

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

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

## 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a 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

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

2/7/2024 (Revision date) EN (English) 2/11

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### 5.3. Advice for firefighters

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures

: Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. For further information  ${\bf r}$ 

refer to section 8: "Exposure controls/personal protection".

## 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up

: Take up liquid spill into absorbent material.

Other information

: Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

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

## 7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. 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 a well-ventilated place. Keep cool.

## 7.3. Specific end use(s)

No additional information available

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

## 8.1. Control parameters

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

DI METHOXYPROPANOL (34590-94-8)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA		
IOEL TWA [ppm]	308 mg/m <sup>3</sup>	
HYDROCHLORIC ACID100% (7647-01-0)	50 ppm	
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL STEL		
IOEL STEL [ppm]		
IOLE OTEL [ppm]	15 mg/m³	
	10 ppm	

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HYDROCHLORIC ACID100% (7647-01-0)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1] WEL TWA (OEL TWA) [2]	
WEL STEL (OEL STEL) WEL STEL (OEL STEL)	2 mg/m³
[ppm]	1 ppm
	8 mg/m³
	5 ppm
Asphalt (8052-42-4)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	
WEL STEL (OEL STEL)	5 mg/m³
, ,	10 mg/m³

## 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

#### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection 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

#### **Environmental exposure controls:**

Avoid release to the environment.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state : Liquid : Black. : Colour Characteristic odour. : Odour No data available : No Odour threshold data available : No data pH available : No data available : No data pH available : No data available : No data

available : N/A

Freezing point
Boiling point
Flash point

: No data available : Auto-ignition temperature Decomposition temperature No data available : Flammability (solid, gas) Not applicable: No Vapour pressure data available : No data available : No Relative vapour density at 20°C Relative density data available: No data available: No Solubility Partition coefficient n-octanol/water (Log Pow) data available : No data available : No Viscosity, kinematic Viscosity, dynamic data available: No data available : No Explosive properties data available : No Oxidising properties **Explosive limits** 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.

## Safety Data Sheet

**Asphalt (8052-42-4)** 

LOAEC (inhalation, rat, dust/mist/fume, 90 days)

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### **SECTION 11: Toxicological information** 11.1 Information on toxicological effects Acute toxicity (oral) : Not classified : Acute toxicity (dermal) Not classified Acute toxicity (inhalation) Not classified Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, thoxylated (01-2119962190-43) (1290049-56-7) 200 - 2000 mg/kg HYDROCHLORIC ACID...100% (7647-01-0) LD50 oral rat 2222 mg/kg LD50 dermal rabbit 5010 mg/kg LC50 Inhalation - Rat 45.6 mg/l Asphalt (8052-42-4) LD50 oral rat > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal LD50 dermal rabbit Toxicity) > 0.0944 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) LC50 Inhalation - Rat Skin corrosion/irritation : Not classified HYDROCHLORIC ACID...100% (7647-01-0) рΗ < 1 : Not classified Serious eye damage/irritation HYDROCHLORIC ACID...100% (7647-01-0) < 1 Respiratory or skin sensitisation : Not classified Not classified Germ cell mutagenicity Carcinogenicity Not classified Reproductive toxicity : Not classified Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, thoxylated (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 Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, thoxylated (01-2119962190-43) (1290049-56-7) NOAEL (oral, rat, 90 days) 0.4 mg/kg bodyweight/day NOAEL (subacute, oral, animal/male, 28 days) 0.4 mg/kg bodyweight STOT-repeated exposure Causes damage to organs through prolonged or repeated exposure.

0.0207 mg/l air Animal: rat, Guideline: other:OECD 451

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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

n : Not classified

(acute)

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-, thoxylated (01-2119962190-43) (1290049-56-7)
LC50 - Fish [1]	0.13 mg/l 0.31 mg/l
EC50 - Crustacea [1]	0.016 mg/l 0.02
ErC50 other aquatic plants	mg/l (21 days) 0.01
EC10, daphnia	mg/l 500 mg/l
NOEC, algae	
NOAEC, Soil	
HYDROCHLORIC ACID100% (7647-01-0)	
LC50 - Fish [1]	
EC50 - Crustacea [1]	20.5 mg/l
EC50 - Other aquatic organisms [2]	0.73 mg/l
EC50 72h - Algae [1]	0.23 mg/l
	0.73 mg/l

## 12.2. Persistence and degradability

Amines, N-(C16-18 (even numbered) and C18-	nines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, thoxylated (01-2119962190-43) (1290049-56-7)	
Biodegradation	61 %	

## 12.3. Bioaccumulative potential

Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, thoxylated (01-2119962190-43) (1290049-56-7)	
Partition coefficient n-octanol/water (Log Pow)	2.8 25°

## 12.4. Mobility in soil

Amines, N-(C16-18 (even numbered) and C18-unsatd. alkyl) trimethylene-, thoxylated (01-2119962190-43) (1290049-56-7)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	43274	

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

No additional information available

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID		
14.1. UN number	14.1. UN number					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.2. UN proper shippin	g name					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.3. Transport hazard o	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 haz	ards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
No supplementary information	n available					

## 14.6. Special precautions for user

## **Overland transport**

Not applicable

#### Transport by sea

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

## **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 substance(s) listed on REACH Annex XVII (Restriction Conditions)

**REACH Annex XIV (Authorisation List)** 

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

## Safety Data Sheet

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

Contains no substance(s) listed on the REACH Candidate List

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

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer) Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives en

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

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Hydrochloric acid	Hydrogen chloride	7647-01-0	2806 10 00	Category 3		Annex I

#### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Abbreviations a	nd acronyms:
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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LD50	Median lethal dose

# Safety Data Sheet

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Abbreviations and acronyms:		
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4 Hazardous to the aquatic environment	
Aquatic Acute 1	- Acute Hazard, Category 1 Hazardous to the aquatic environment -	
Aquatic Chronic 1	Chronic Hazard, Category 1 Serious eye damage/eye irritation,	
Eye Dam. 1 Eye	Category 1 Serious eye damage/eye irritation, Category 2 Harmful if	
Irrit. 2 H302 H314	swallowed. Causes severe skin burns and eye damage. Causes skin	
H315 H318 H319	irritation. Causes serious eye damage. Causes serious eye irritation.	
H335 H372 H400	May cause respiratory irritation. Causes damage to organs through	
H410 H412 Skin	prolonged or repeated exposure. Very toxic to aquatic life. Very toxic	
Corr. 1A Skin Corr.	to aquatic life with long lasting effects. Harmful to aquatic life with long	
1B Skin Irrit. 2	lasting effects. Skin corrosion/irritation, Category 1, Sub-Category 1A	
STOT RE 1	Skin corrosion/irritation, Category 1, Sub-Category 1B Skin	
	corrosion/irritation, Category 2 Specific target organ toxicity -	
	Repeated exposure, Category 1	

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Full text of H- and EUH-statements:	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.