

## SAFETY DATA SHEET NITOFLOR FC150 BASE

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

#### 1.1. Product identifier

Product name NITOFLOR FC150 BASE

 Product number
 A1845092 UK9, A1845184 UK9, A1845245 UK9, A1845263 UK9, A1845382 UK9, A1845482

 UK9, A1845507 UK9, A1845902 UK9, A1845923 UK9

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

Identified uses Base component of two part epoxy system

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

Supplier	Fosroc Limited
	Drayton Manor Business Park
	Coleshill Road
	Tamworth
	Staffordshire
	B78 3XN
	England
	Tel: +44 (0) 1827 262222
	Fax: +44 (0) 1827 262444
	enquiryuk@fosroc.com

#### 1.4. Emergency telephone number

Emergency telephone

+44 (0) 1827 265 279 (Monday-Sunday 24 hours a day)

### SECTION 2: Hazards identification

2.1. Classification of the subst	ance or mixture
Classification (EC 1272/2008)	
Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT RE 2 - H373
Environmental hazards	Aquatic Chronic 2 - H411
Human health	See Section 11 for additional information on health hazards.
Environmental	The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.
2.2. Label elements	

Hazard pictograms



Signal word

Warning

Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	<ul> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352 IF ON SKIN: Wash with plenty of water.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P332+P313 If skin irritation occurs: Get medical advice/ attention.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> </ul>
Supplemental label information	EUH205 Contains epoxy constituents. May produce an allergic reaction.
Contains	SILICA FLOUR (4-50 Micron), EPOXY RESIN (Type A) (Number average MW <= 700 ), EPOXY RESIN (Type F) (Number average MW <= 700 ), ALKYL GLYCIDYL ETHER C12/C14
Supplementary precautionary statements	<ul> <li>P260 Do not breathe vapour/ spray.</li> <li>P261 Avoid breathing vapour/ spray.</li> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P272 Contaminated work clothing should not be allowed out of the workplace.</li> <li>P273 Avoid release to the environment.</li> <li>P314 Get medical advice/ attention if you feel unwell.</li> <li>P321 Specific treatment (see medical advice on this label).</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P337+P313 If eye irritation persists: Get medical advice/ attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> <li>P391 Collect spillage.</li> </ul>

## 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3.2. Mixtures		
SILICA FLOUR (4-50 Micron)		30-60
CAS number: 14808-60-7	EC number: 238-878-4	
Classification		
STOT RE 2 - H373		
EPOXY RESIN		10-30
CAS number: 25068-38-6	EC number: 500-033-5	REACH registration number: 01- 2119456619-26-XXXX
Classification		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Aquatic Chronic 2 - H411		

2,3-epoxypropane and ph	reaction products with 1-chloro- enol	10-30%
CAS number: 9003-36-5	EC number: 500-006-8	
Classification		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Aquatic Chronic 2 - H411		
ALKYL GLYCIDYL ETHE	R C12/C14	5-10%
CAS number: 68609-97-2	EC number: 271-846-8	REACH registration number: 01-
		2119485289-22-XXXX
Classification		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
DI-ISO-DECYL PHTHALA	TE	1-5%
CAS number: 68515-49-1	EC number: 271-091-4	
Classification		
Not Classified		
The Full Text for all R-Phra	ses and Hazard Statements are Displayed in Section	on 16.
SECTION 4: First aid meas	sures	
4.1. Description of first aid	measures	
General information	Get medical attention if any discomfort continu	es.
Inhalation	Move affected person to fresh air at once. Rins attention if any discomfort continues.	e nose and mouth with water. Get medical
Ingestion	Remove affected person from source of contar keep warm and at rest in a position comfortable water. Give plenty of water to drink. Keep affec attention if any discomfort continues. Show this	e for breathing. Rinse mouth thoroughly with ted person under observation. Get medical
Skin contact	Remove affected person from source of contar skin thoroughly with soap and water. Get medi	-
Eye contact	Remove affected person from source of contar water. Remove contact lenses, if present and e for at least 15 minutes and get medical attentic	easy to do. Continue rinsing. Continue to rinse
4.2. Most important sympto	oms and effects, both acute and delayed	
General information	The severity of the symptoms described will va length of exposure.	ry dependent on the concentration and the
Inhalation	May cause respiratory system irritation.	
Ingestion	May cause discomfort if swallowed.	
Skin contact	Skin irritation. May cause sensitisation or allerg	gic reactions in sensitive individuals.
Eye contact	Irritation of eyes and mucous membranes.	
Lye contact		

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

Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	sures
5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fro	om the substance or mixture
Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
5.3. Advice for firefighters	
Protective actions during firefighting	No specific firefighting precautions known. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental releas	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
6.2. Environmental precaution	<u>S</u>
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
6.4. Reference to other section	ns
Reference to other sections	For waste disposal, see section 13.
SECTION 7: Handling and sto	rage
7.1. Precautions for safe hand	ling
Usage precautions	For professional users only. Provide adequate ventilation. Avoid the formation of mists. Avoid inhalation of vapours/spray and contact with skin and eyes.
7.2. Conditions for safe storag	e, including any incompatibilities
Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.
Storage class	Chemical storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
SECTION 8: Exposure control	s/Personal protection

## **NITOFLOR FC150 BASE**

### 8.1. Control parameters

### Occupational exposure limits

### SILICA FLOUR (4-50 Micron)

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³ respirable dust

#### **DI-ISO-DECYL PHTHALATE**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> WEL = Workplace Exposure Limit

#### EPOXY RESIN (CAS: 25068-38-6)

DNEL	Workers - Inhalation; Short term systemic effects: 12.25 mg/m <sup>3</sup> Workers - Inhalation; Long term systemic effects: 12.25 mg/m <sup>3</sup>
PNEC	- Fresh water; 0.006 mg/l
Formaldehyde	e, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (CAS: 9003-36-5)
DNEL	Workers - Inhalation; Long term systemic effects: 29.39 mg/m³ Workers - Dermal; Long term systemic effects: 104.15 mg/kg/day Workers - Dermal; Short term local effects: 8.3 μg/cm2
PNEC	- Fresh water; 0.003 mg/l - marine water; 0.0003 mg/l - STP; 10 mg/l
	ALKYL GLYCIDYL ETHER C12/C14 (CAS: 68609-97-2)
DNEL	Workers - Inhalation; Long term systemic effects: 3.6 mg/m³ Workers - Dermal; Long term systemic effects: 1 mg/kg/day
PNEC	- Fresh water; 0.0072 mg/l - marine water; 0.00072 mg/l
8.2. Exposure controls	
Protective equipment	
Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Butyl rubber. Nitrile rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product. Do not smoke in work area.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. Organic vapour filter.

## SECTION 9: Physical and chemical properties

9.1. Information on basic phys	ical and chemical properties
Appearance	Viscous liquid.
Colour	Various colours.
Odour	Almost odourless.
Odour threshold	Not determined.
рН	Not applicable.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not applicable.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.62 @ at 23°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	1500 P @ at 23°C
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
9.2. Other information	
Other information	Not determined.

SECTION 10: Stability and re	activity
10.1. Reactivity	
Reactivity	The following materials may react with the product: Acids. Alkalis. Amines.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
10.4. Conditions to avoid	
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
10.5. Incompatible materials	
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
10.6. Hazardous decompositi	on products
Hazardous decomposition products	When heated, vapours/gases hazardous to health may be formed.
SECTION 11: Toxicological in	formation
11.1. Information on toxicolog	ical effects
Inhalation	Gas or vapour may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Eye contact	Irritating to eyes.
Route of exposure	Skin and/or eye contact
Toxicological information on i	ngredients.
	SILICA FLOUR (4-50 Micron)
Carcinogenicity	
IARC carcinoge	nicity IARC Group 1 Carcinogenic to humans.
	EPOXY RESIN
Acute toxicity - c	ral
Acute toxicity or mg/kg)	<b>al (LD₅o</b> 5,000.0
Species	Rat
Notes (oral LD₅	Based on available data the classification criteria are not met.
ATE oral (mg/kg	) 5,000.0
Acute toxicity - c	ermal
Acute toxicity de mg/kg)	<b>rmal (LD₅</b> 20,000.0

	Species		Rabbit
	ATE dermal (mg/	'kg)	20,000.0
	Skin corrosion/irr		
	Animal data		Rabbit Moderately irritating.
	Skin sensitisatior	<u>1</u>	
	Skin sensitisation	1	May cause sensitisation by skin contact.
	Form	aldehyde,	oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol
	Acute toxicity - or	ral	
	Notes (oral LD <sub>50</sub> )		LD₅₀ >5000 mg/kg, Oral, Rat
<b>SECTION 1</b>	2: Ecological inform	mation	
Ecotoxicity		Dangero environn	ous for the environment. May cause long-term adverse effects in the aquatic nent.
12.1. Toxici	t <u>y</u>		
Toxicity		The proc	duct contains a substance which is harmful to aquatic organisms.
Ecological in	nformation on ingre	edients.	
			EPOXY RESIN
	Acute aquatic tox	<b>cicity</b>	
	Acute toxicity - fis	sh	LC₅₀, 96 hours: 3.6 mg/l, Leuciscus idus (Golden orfe) LC₅₀, 96 hours: 2 mg/l, Oncorhynchus mykiss (Rainbow trout)
	Acute toxicity - ac invertebrates	quatic	EC₅₀, 48 hours: 1.8 mg/l, Daphnia magna
	Acute toxicity - ac plants	quatic	EC50, 72 hours: 11 mg/l, Scenedesmus capricornutum (fresh water algae)
	Form	aldehyde,	, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol
	Acute aquatic tox	cicity	
	Acute toxicity - fis	sh	LC₅₀, 96 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
	Acute toxicity - ad invertebrates	quatic	EC₅₀, 48 hours: >1000 mg/l, Daphnia magna
12.2. Persis	tence and degrada	ability	
Persistence	and degradability	The proc	duct is not expected to be biodegradable.
Ecological in	nformation on ingre	edients.	
			EPOXY RESIN
	Persistence and degradability		The product is not readily biodegradable.
12.3. Bioaco	cumulative potentia	al	
Bioaccumul	ative potential	No data	available on bioaccumulation.
Partition coe	əfficient	Not appl	icable.

		EPOXY RESIN
	Partition coefficie	ent log Pow: 3.242
	Form	naldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol
	Partition coefficie	ent : log Pow = Approximately 3.8 at 25 C
12.4. Mobilit	y in soil	
Vobility		Not applicable.
Ecological in	nformation on ingr	EPOXY RESIN
	Mobility	The product has poor water-solubility.
	Adsorption/desor	
12.5. Result	s of PBT and vPv	B assessment
Results of Plassessment	BT and vPvB	This product does not contain any substances classified as PBT or vPvB.
accocciment		
	nformation on ingr	redients.
		redients. EPOXY RESIN
	nformation on ingr	
Ecological in	nformation on ingr Results of PBT a	EPOXY RESIN
Ecological in 12.6. Other a	nformation on ingr Results of PBT a assessment adverse effects	EPOXY RESIN
Ecological in 12.6. Other a Other advers	nformation on ingr Results of PBT a assessment adverse effects	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known.
Ecological in 12.6. Other a Other advers SECTION 13	nformation on ingr Results of PBT a assessment adverse effects se effects	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known.
Ecological in 12.6. Other a Other advers SECTION 13 13.1. Waste	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known.
Ecological in 12.6. Other a Other advers SECTION 1: 13.1. Waste General info	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known. derations
Ecological in 12.6. Other a Other advers SECTION 13 13.1. Waste General info Disposal me	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known. derations ds Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Ecological in 12.6. Other a Other advers SECTION 13 13.1. Waste General info Disposal me SECTION 14	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method rmation ethods 4: Transport inform	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known. derations ds Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Ecological in 12.6. Other a Other advers SECTION 13 13.1. Waste General info Disposal me SECTION 14 14.1. UN nur	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method mation othods 4: Transport inform mber	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known. derations ds Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Ecological in 12.6. Other a Other advers SECTION 13 13.1. Waste General info Disposal me SECTION 14 14.1. UN nui UN No. (ADI	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method ormation ethods 4: Transport inforr mber R/RID)	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known.  derations  ds  Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.  mation
Ecological in 12.6. Other a Other advers SECTION 13 13.1. Waste General info Disposal me SECTION 14 14.1. UN nui UN No. (ADI UN No. (IME	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method ormation ethods 4: Transport inforr <u>mber</u> R/RID) DG)	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known. derations ds Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. mation
Ecological in 12.6. Other a Other advers SECTION 13 13.1. Waste General info Disposal me SECTION 14 14.1. UN nui UN No. (ADI UN No. (IME UN No. (ICA	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method ormation ethods 4: Transport inforr mber R/RID) DG)	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known.  derations ds Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. mation 3082 3082
Ecological in 12.6. Other a Other advers SECTION 1: 13.1. Waste General info Disposal me SECTION 14 14.1. UN nui UN No. (ADI UN No. (IME UN No. (ICA UN No. (ADI	nformation on ingr Results of PBT a assessment adverse effects se effects 3: Disposal consid treatment method ormation ethods 4: Transport inforr mber R/RID) DG)	EPOXY RESIN and vPvB This product does not contain any substances classified as PBT or vPvB. None known.  derations ds Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. mation 3082 3082 3082

Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A & F BLEND)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A & F BLEND)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A & F BLEND)

14.3. Transport hazard class(e	es)
ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9
14.4. Packing group	
ADR/RID packing group	III
IMDG packing group	Ш
ICAO packing group	Ш

## 14.5. Environmental hazards

ADN packing group

Environmentally hazardous substance/marine pollutant

111



## 14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

EU legislation	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).
	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	Commission Regulation (EU) No 2015/830 of 28 May 2015. Workplace Exposure Limits EH40. Respiratory protective equipment at work (HSG53).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

General information	For professional users only. The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	25/06/2018
Revision	2a
Supersedes date	08/12/2015
SDS number	12434
Hazard statements in full	<ul> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H319 Causes serious eye irritation.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> <li>H373 May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> </ul>

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.



## SAFETY DATA SHEET NITOFLOR FC150 HARDENER

SECTION 1: Identification of	f the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	NITOFLOR FC150 HARDENER
Product number	A1845205 UK9
1.2. Relevant identified uses	s of the substance or mixture and uses advised against
Identified uses	Hardener component of two part epoxy system
1.3. Details of the supplier of	of the safety data sheet
Supplier	Fosroc Limited Drayton Manor Business Park Coleshill Road Tamworth Staffordshire B78 3XN England Tel: +44 (0) 1827 262222 Fax: +44 (0) 1827 262444 enquiryuk@fosroc.com
1.4. Emergency telephone r	number
Emorgonov telephone	
Emergency telephone	+44 (0) 1827 265 279 (Monday-Sunday 24 hours a day)
SECTION 2: Hazards identi	
	fication
SECTION 2: Hazards identi	fication ostance or mixture
SECTION 2: Hazards identi 2.1. Classification of the sub	fication ostance or mixture
SECTION 2: Hazards identi 2.1. Classification of the sul Classification (EC 1272/200	fication ostance or mixture 18)
SECTION 2: Hazards identi 2.1. Classification of the sub Classification (EC 1272/200 Physical hazards	fication ostance or mixture 18) Not Classified Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens.
SECTION 2: Hazards identi 2.1. Classification of the sub Classification (EC 1272/200 Physical hazards Health hazards	fication Distance or mixture 18) Not Classified Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317
SECTION 2: Hazards identi 2.1. Classification of the sub Classification (EC 1272/200 Physical hazards Health hazards Environmental hazards	fication Distance or mixture (8) Not Classified Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412 The product contains a substance which is harmful to aquatic organisms and which may
SECTION 2: Hazards identi 2.1. Classification of the sub Classification (EC 1272/200 Physical hazards Health hazards Environmental hazards Environmental	fication Distance or mixture (8) Not Classified Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412 The product contains a substance which is harmful to aquatic organisms and which may
SECTION 2: Hazards identi 2.1. Classification of the sub Classification (EC 1272/200 Physical hazards Health hazards Environmental hazards Environmental 2.2. Label elements	fication Distance or mixture (8) Not Classified Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412 The product contains a substance which is harmful to aquatic organisms and which may

Hazard statements	H302+H332 Harmful if swallowed or if inhaled. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	<ul> <li>P261 Avoid breathing vapour/ spray.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water or shower.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> </ul>
Contains	BENZYL ALCOHOL, ISOPHORONEDIAMINE, m-PHENYLENEBIS( METHYLAMINE), 1,3- BENZENEDIMETHANAMINE POLYMER WITH BISPHENOL-A-EPICHLORHYDRIN MW<700
Supplementary precautionary statements	<ul> <li>P260 Do not breathe vapour/ spray.</li> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P270 Do not eat, drink or smoke when using this product.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> <li>P272 Contaminated work clothing should not be allowed out of the workplace.</li> <li>P273 Avoid release to the environment.</li> <li>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</li> <li>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li> <li>P302+P352 IF ON SKIN: Wash with plenty of water.</li> <li>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P312 Call a POISON CENTRE/doctor if you feel unwell.</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> <li>P405 Store locked up.</li> </ul>

## 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients		
3.2. Mixtures		
BENZYL ALCOHOL		25 - 50%
CAS number: 100-51-6	EC number: 202-859-9	REACH registration number: 01- 2119492630-38-xxxx
Classification		
Acute Tox. 4 - H302		
Acute Tox. 4 - H332		
Eye Irrit. 2 - H319		
Aquatic Chronic 2 - H411		

ISOPHORONEDIAMINE		10 - 25%
CAS number: 2855-13-2	EC number: 220-666-8	REACH registration number: 01- 2119514687-32-xxxx
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312		
Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317		
Aquatic Chronic 3 - H412		
m-PHENYLENEBIS( METHYLAMINE)		10 - 25%
CAS number: 1477-55-0	EC number: 216-032-5	REACH registration number: 01- 2119480150-50-XXXX
Classification		
Acute Tox. 4 - H302		
Acute Tox. 4 - H332		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Aquatic Chronic 3 - H412		
SALICYLIC ACID		2.5 - 109
CAS number: 69-72-7	EC number: 200-712-3	REACH registration number: 01- 2119486984-17-XXXX
Classification		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		
Liquid Epoxy Resin - MXDA Adduct		2.5 - 109
CAS number: 113930-69-1	EC number: 500-302-7	
Classification		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Aquatic Chronic 2 - H411		

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

## 4.1. Description of first aid measures

**General information** Immediately remove contaminated clothing.

## Inhalation

## 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.

Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention.
4.2. Most important symptoms	and effects, both acute and delayed
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
Ingestion	May cause chemical burns in mouth and throat. May cause chemical burns in mouth and throat.
Skin contact	Chemical burns.
Eye contact	Corneal damage.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	sures
5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fro	om the substance or mixture
Specific hazards	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).
Hazardous combustion products	Heating may generate the following products: Toxic and corrosive gases or vapours.
5.3. Advice for firefighters	
Protective actions during firefighting	No specific firefighting precautions known.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental release	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
6.2. Environmental precaution	S
Environmental precautions	Avoid or minimise the creation of any environmental contamination.
6.3. Methods and material for	containment and cleaning up

Methods for cleaning up	Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.	
6.4. Reference to other section	<u>15</u>	
Reference to other sections	For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.	
SECTION 7: Handling and stor	rage	
7.1. Precautions for safe handl	ling	
Usage precautions	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	e, including any incompatibilities	
Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.	
Storage class	Corrosive storage.	
7.3. Specific end use(s)		
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.	
SECTION 8: Exposure controls	s/Personal protection	
8.1. Control parameters		
	BENZYL ALCOHOL (CAS: 100-51-6)	
DNEL	Workers - Inhalation; Short term systemic effects: 110 mg/m <sup>3</sup> Workers - Inhalation; Long term systemic effects: 22 mg/m <sup>3</sup> Workers - Dermal; Short term systemic effects: 40 mg/kg bw/day Workers - Dermal; Long term systemic effects: 8 mg/kg bw/day	
PNEC	- Fresh water; 1 mg/l	
	- marine water; 0.1 mg/l - STP; 39 mg/l	
	ISOPHORONEDIAMINE (CAS: 2855-13-2)	
PNEC	- marine water; 0.006 mg/l - Fresh water; 0.06 mg/l - Soil; 1.121 mg/kg	
	SALICYLIC ACID (CAS: 69-72-7)	
DNEL	Workers - Inhalation; Long term systemic effects: 5 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2.3 mg/kg bw/day Workers - Inhalation; Long term local effects: 5 mg/m <sup>3</sup> General population - Inhalation; Long term systemic effects: 4 mg/m <sup>3</sup>	
PNEC	- Fresh water; 0.20 mg/l - marine water; 0.020 mg/l - Sediment (Freshwater); 1.42 mg/kg dw - Soil; 0.17 mg/kg dw - STP; 16.2 mg/l	

## 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: Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	It is recommended that gloves are made of the following material: Viton rubber (fluoro rubber). Nitrile rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Immediately remove contaminated clothing.
Hygiene measures	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.
Respiratory protection	It is recommended to use respiratory equipment with combination filter, type A2/P2.

## **SECTION 9: Physical and chemical properties**

.1. Information on basic phys	
Appearance	Liquid.
Colour	Yellow.
Ddour	Amine.
Dour threshold	Not determined.
lelting point	Not determined.
nitial boiling point and range	>200°C @ 101 kPa
lash point	>100°C
vaporation rate	Not determined.
vaporation factor	Not determined.
lammability (solid, gas)	Not applicable.
Ipper/lower flammability or xplosive limits	Lower flammable/explosive limit: 1.2 % Upper flammable/explosive limit: 13 %
apour pressure	0.01 kPa @ 20°C
apour density	Not determined.
Relative density	1.06 @ 23°C
Bulk density	Not applicable.
Solubility(ies)	Immiscible with water.
Partition coefficient	Not determined.

Auto-ignition temperature	380°C
Decomposition Temperature	Not determined.
Viscosity	200 mPa s @ 25°C
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
9.2. Other information	
Other information	Not available.
SECTION 10: Stability and rea	ctivity
10.1. Reactivity	
Reactivity	The following materials may react with the product: Acids. Alkalis. Oxidising materials.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	The following materials may react with the product: Acids. Alkalis. Oxidising materials. Will not polymerise.
10.4. Conditions to avoid	
Conditions to avoid	Not known.
10.5. Incompatible materials	
Materials to avoid	Strong oxidising agents.
10.6. Hazardous decompositio	n products
Hazardous decomposition products	Heating may generate the following products: Toxic and corrosive gases or vapours.
SECTION 11: Toxicological int	formation
11.1. Information on toxicologi	cal effects
Acute toxicity - oral ATE oral (mg/kg)	521.03
Acute toxicity - dermal ATE dermal (mg/kg)	4,782.61
Acute toxicity - inhalation ATE inhalation (gases ppm)	9,000.0
ATE inhalation (vapours mg/l)	15.49
ATE inhalation (dusts/mists mg/l)	3.0
Inhalation	Harmful by inhalation. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
Inhalation	

Skin contact Causes burns. Harmful in contact with skin. May cause sensitisation by skin contact.

Eye contact Causes burns.

 Target organs
 Skin Eyes Respiratory system, lungs

#### Toxicological information on ingredients.

### **BENZYL ALCOHOL**

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	1,620.0
Species	Rat
ATE oral (mg/kg)	1,620.0
Acute toxicity - dermal	
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.0
Species	Rabbit
ATE dermal (mg/kg)	2,001.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC₅₀ dust/mist mg/l)	4.178
Species	Rat
ATE inhalation (dusts/mists mg/l)	4.178
Skin sensitisation	
Skin sensitisation	Not sensitising.
Carcinogenicity	
Carcinogenicity	NOAEL 200 mg/kg/day, Oral, Mouse There is no evidence that the product can cause cancer.
Specific target organ toxicit	y - repeated exposure

STOT - repeated exposure NOAEL 400 mg/kg, Oral, Rat

General information	Contact physician if discomfort comtinues
Inhalation	May cause coughing and difficulties in breathing.
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.
Skin contact	Prolonged and frequent contact may cause redness and irritation.
Eye contact	Severe irritation, burning and tearing.

#### ISOPHORONEDIAMINE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)	1,030.0
Species	Rat
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD₅ mg/kg)	1,840.0
Species	Rabbit
ATE dermal (mg/kg)	1,100.0
	m-PHENYLENEBIS( METHYLAMINE)
Acute toxicity - oral	
Notes (oral LD₅₀)	LD₅₀ 930 mg/kg, Oral, Rat
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Notes (dermal LD₅₀)	LD₅₀ >3100 mg/kg, Dermal, Rabbit
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	LC50 1.34 mg/l, Inhalative, (Mist), Rat (OECD 403)
ATE inhalation (vapours mg/l)	11.0
	SALICYLIC ACID
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	891.0
Species	Rat
ATE oral (mg/kg)	891.0
Acute toxicity - dermal	
Notes (dermal LD₅₀)	LD₅₀ >2000 mg/kg, Dermal, Rat
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	LC50 >0.9 mg/l, Inhalation, Rat
SECTION 12: Ecological information	
En des de la la companya de la compa	

### Ecotoxicity

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

### 12.1. Toxicity

Toxicity

Ecotoxic to fish/daphnia/algae

Ecological information on ingredients.

### **BENZYL ALCOHOL**

### Acute aquatic toxicity

	Acute toxicity - fish	LC₅₀, 96 hours: 460 mg/l, Pimephales promelas (Fat-head Minnow)
	Acute toxicity - aquatic invertebrates	EC₀, 48 hours: 230 mg/l, Daphnia magna
	Acute toxicity - aquatic plants	EC₅₀, 72 hours: 770 mg/l, Pseudokirchneriella subcapitata
		ISOPHORONEDIAMINE
	Acute aquatic toxicity	
	Acute toxicity - fish	LC₅₀, 96 hours: 110 mg/l, Fish
	Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 23 mg/l, Daphnia magna
	Acute toxicity - aquatic plants	IC₅₀, 72 hours: 50 mg/l, Algae
		SALICYLIC ACID
	Acute aquatic toxicity	
	Acute toxicity - fish	LC₅₀, : 90 mg/l, Leuciscus idus (Golden orfe) LC₅₀, 96 hours: 1.3 mg/l, Pimephales promelas (Fat-head Minnow)
	Acute toxicity - aquatic invertebrates	EC₀, 24 hours: 105 mg/l, Daphnia magna
12.2. Persis	tence and degradability	
Persistence	and degradability There a	are no data on the degradability of this product.
Ecological i	nformation on ingredients.	
		BENZYL ALCOHOL
	Persistence and degradability	The product is readily biodegradable.
		ISOPHORONEDIAMINE
	Persistence and degradability	The product is not readily biodegradable.
12.3. Bioac	cumulative potential	
Bioaccumul	ative potential No data	a available on bioaccumulation.
Partition co	efficient Not det	ermined.
Ecological i	nformation on ingredients.	
		BENZYL ALCOHOL
	Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
	Partition coefficient	log Kow: 1.10

## ISOPHORONEDIAMINE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficie	nt log Kow: 0.99	
12.4. Mobility in soil		
Mobility	The product is immiscible with water and will sediment in water systems.	
Ecological information on ingre	dients.	
	BENZYL ALCOHOL	
Mobility	Insoluble in water.	
12.5. Results of PBT and vPvB	assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.	
Ecological information on ingre	edients.	
	BENZYL ALCOHOL	
Results of PBT ar assessment	<b>nd vPvB</b> This product does not contain any substances classified as PBT or vPvB.	
12.6. Other adverse effects		
Other adverse effects	None known.	
Ecological information on ingre	bdients.	
	BENZYL ALCOHOL	
Other adverse effects None known		
Other adverse eff	ects None known.	
Other adverse eff		
	erations	
SECTION 13: Disposal conside	erations	
SECTION 13: Disposal conside 13.1. Waste treatment method	erations <u>s</u> When handling waste, the safety precautions applying to handling of the product should be	
SECTION 13: Disposal conside 13.1. Waste treatment methods General information	erations         s         When handling waste, the safety precautions applying to handling of the product should be considered. Note that fully cured material is not considered as hazardous waste.         Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.	
SECTION 13: Disposal conside 13.1. Waste treatment methods General information Disposal methods SECTION 14: Transport inform	erations         s         When handling waste, the safety precautions applying to handling of the product should be considered. Note that fully cured material is not considered as hazardous waste.         Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.	
SECTION 13: Disposal conside 13.1. Waste treatment methods General information Disposal methods	erations         s         When handling waste, the safety precautions applying to handling of the product should be considered. Note that fully cured material is not considered as hazardous waste.         Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.	
SECTION 13: Disposal conside 13.1. Waste treatment methods General information Disposal methods SECTION 14: Transport inform 14.1. UN number	erations S When handling waste, the safety precautions applying to handling of the product should be considered. Note that fully cured material is not considered as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility. Mation	
SECTION 13: Disposal considered         13.1. Waste treatment methods         General information         Disposal methods         SECTION 14: Transport inform         14.1. UN number         UN No. (ADR/RID)	erations  S When handling waste, the safety precautions applying to handling of the product should be considered. Note that fully cured material is not considered as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.  Pation	
SECTION 13: Disposal considered         13.1. Waste treatment methods         General information         Disposal methods         SECTION 14: Transport inform         14.1. UN number         UN No. (ADR/RID)         UN No. (IMDG)	erations         s         When handling waste, the safety precautions applying to handling of the product should be considered. Note that fully cured material is not considered as hazardous waste.         Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.         Participant         2735         2735	
SECTION 13: Disposal considered         13.1. Waste treatment methods         General information         Disposal methods         SECTION 14: Transport inform         14.1. UN number         UN No. (ADR/RID)         UN No. (IMDG)         UN No. (ICAO)	erations  Note that fully cured material is not considered as hazardous waste.  Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.  Participartitationarticipartitationarticiparticiparticiparticipar	
SECTION 13: Disposal considered         13.1. Waste treatment methods         General information         Disposal methods         SECTION 14: Transport inform         14.1. UN number         UN No. (ADR/RID)         UN No. (IMDG)         UN No. (ICAO)         UN No. (ADN)	erations  Note that fully cured material is not considered as hazardous waste.  Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.  Participartitationarticipartitationarticiparticiparticiparticipar	
SECTION 13: Disposal considered         13.1. Waste treatment methods         General information         Disposal methods         SECTION 14: Transport inform         14.1. UN number         UN No. (ADR/RID)         UN No. (IMDG)         UN No. (ICAO)         UN No. (ADN)         14.2. UN proper shipping name         (ADR/RID)	Arrations      When handling waste, the safety precautions applying to handling of the product should be considered. Note that fully cured material is not considered as hazardous waste.  Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.  Autom  2735 2735 2735 2735 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS ISOPHORONEDIAMINE, m-	

Proper shipping name (ICAO)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS ISOPHORONEDIAMINE, m-
	PHENYLENEBIS( METHYLAMINE))

Proper shipping name (ADN) AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS ISOPHORONEDIAMINE, m-PHENYLENEBIS( METHYLAMINE))

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

ADR/RID class	8
ADR/RID classification code	C7
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8
14.4. Packing group	
ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	П

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

## 14.6. Special precautions for user

IMDG Code segregation group	18. Alkalis
EmS	F-A, S-B
ADR transport category	2
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

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

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

### SECTION 15: Regulatory information

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

National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.

#### Guidance

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. Respiratory protective equipment at work (HSG53).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

General information	Only trained personnel should use this material. For professional users only.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	30/08/2019
Revision	2b
Supersedes date	25/06/2018
SDS number	12435
Hazard statements in full	<ul> <li>H302 Harmful if swallowed.</li> <li>H312 Harmful in contact with skin.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H332 Harmful if inhaled.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> </ul>

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.