



SAFETY DATA SHEET

NITOCOTE EP405 BASE BLUE & WHITE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME NITOCOTE EP405 BASE BLUE & WHITE

SUPPLIER Fosroc Ltd
 Drayton Manor Business Park
 Coleshill Road
 Tamworth
 Staffordshire
 B77 2JU
 +44 (0)1827 262222
 +44 (0)1827 262444
 uk@fosroc.com

PRODUCT NO. M1754100

2 HAZARDS IDENTIFICATION

Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xi;R36/38. R43. N;R51/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
EPOXY RESIN (Number average MW <= 700)	500-033-5	25068-38-6	10-30%	R43 Xi;R36/38 N;R51/53
PARATERTIARY BUTYL PHENYL GLYCIDYL ETHER		3101-60-8	10-30%	Xi;R36/38. R43.
XYLENE	215-535-7	1330-20-7	< 1%	R10 Xn;R20/21 Xi;R38

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly.

Provide rest, warmth and fresh air. Get medical attention.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

NITOCOTE EP405 BASE BLUE & WHITE**SPILL CLEAN UP METHODS**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ISO-BUTANOL	WEL	50 ppm	154 mg/m ³	75 ppm	231 mg/m ³	
XYLENE	WEL	50 ppm	220 mg/m ³	100 ppm	441 mg/m ³	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid		
COLOUR	Blue or White		
ODOUR	Mild		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	> 200	RELATIVE DENSITY	1.90
VAPOUR PRESSURE	0.1 kPa 20	FLASH POINT (°C)	> 150

10 STABILITY AND REACTIVITY

NITOCOTE EP405 BASE BLUE & WHITE

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause stomach pain or vomiting.

SKIN CONTACT

May cause sensitisation by skin contact. Irritating to skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Ecotoxic to fish/daphnia/algae.

MOBILITY

Viscous liquid. Insoluble in water.

BIOACCUMULATION

Has the potential to bioaccumulate.

DEGRADABILITY

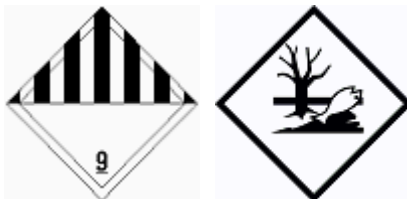
The product is not readily biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700))		
ROAD TRANSPORT NOTES	Not Classified		
RAIL TRANSPORT NOTES	Not classified.		
SEA TRANSPORT NOTES	Not classified.		
AIR TRANSPORT NOTES	Not classified.		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	•3Z	CEFIC TEC(R) NO.	90GM6-III
RID CLASS NO.	9	RID PACK GROUP	III

NITOCOTE EP405 BASE BLUE & WHITE

UN NO. SEA	3082	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
UN NO. AIR	3082	AIR CLASS	9
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Irritant



Dangerous for the environment

CONTAINS

EPOXY RESIN (Number average MW <= 700)
PARATERTIARY BUTYL PHENYL GLYCIDYL ETHER

RISK PHRASES

R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P5	Contains epoxy constituents. See information supplied by the manufacturer.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

16 OTHER INFORMATION

GENERAL INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

REVISION DATE 25/07/2010

REV. NO./REPL. SDS GENERATED 1

DATE 21/09/2010

RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

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 NITOCOTE EP405 HARDENER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	NITOCOTE EP405 HARDENER
SUPPLIER	FOSROC Limited Drayton Manor Business Park Coleshill Road Tamworth Staffordshire B78 3TL Tel. +44 (0) 1827 262222 Fax. +44 (0) 1827 262444 uk@fosroc.com
EMERGENCY TELEPHONE	+ 44 1827 265279
MANUFACTURER	Fosroc Limited, Coleshill Road, Tamworth, Staffordshire, ENGLAND.

2 HAZARDS IDENTIFICATION

Harmful by inhalation and if swallowed. Irritating to respiratory system. Causes severe burns. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R20/22. C;R35. Xi;R37. R43. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
4-TERT-BUTYLPHENOL		98-54-4	30-60%	Xi;R36/37/38. N;R51/53.
1,3-BIS(AMINOMETIL)BENZENE (MXDA)		1477-55-0	30-60%	Xn;R20/22. C;R34. R52/53.
TRIMETHYLHEXANE-1,6-DIAMINE		25620-58-0	10-30%	Xn;R22. C;R35. R52/53,R43.
NONYLPHENOL	246-672-0	25154-52-3	1-5%	Repr. Cat. 3;R62,R63 C;R34 Xn;R22 N;R50/53

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Rinse the skin immediately with lots of water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

NITOCOTE EP405 HARDENER**UNUSUAL FIRE & EXPLOSION HAZARDS**

No unusual fire or explosion hazards noted.

6 ACCIDENTAL RELEASE MEASURES**SPILL CLEAN UP METHODS**

Wear necessary protective equipment. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not let washing down water contaminate ponds or waterways.

7 HANDLING AND STORAGE**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry and cool place. Keep in original container.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**PROTECTIVE EQUIPMENT****ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

Use protective gloves made of: Nitrile. Viton rubber (fluor rubber). Polyvinylidene chloride/Polyethylene (PVD/PE).

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Wear appropriate clothing to prevent skin contamination or freezing. Provide eyewash station.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes wet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Yellow-Brown		
ODOUR	Amine.		
SOLUBILITY	Miscible with water		
RELATIVE DENSITY	1.0 20	FLASH POINT (°C)	~ 130

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Reacts violently with strong oxidising substances.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia or amines.

11 TOXICOLOGICAL INFORMATION

NITOCOTE EP405 HARDENER**INHALATION**

May cause irritation to the respiratory system. May cause sensitisation by inhalation. May cause respiratory allergy.

INGESTION

Causes burns. May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

SKIN CONTACT

May cause allergic contact eczema. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause sensitisation by skin contact. Causes burns. Harmful in contact with skin.

EYE CONTACT

Extreme irritation of eyes and mucous membranes, including burning and tearing. Causes burns.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME	CORROSIVE LIQUIDS, NOS		
UN NO. ROAD	1760	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	IMDG CLASS	8
IMDG PACK GR.	III	MARINE POLLUTANT	



AIR CLASS	8	AIR PACK GR.	III
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15 REGULATORY INFORMATION**LABELLING**

Corrosive



Harmful



Dangerous for the environment

CONTAINS

1,3-BIS(AMINOMETIL)BENZENE (MXDA)
TRIMETHYLHEXANE-1,6-DIAMINE

RISK PHRASES

R20/22	Harmful by inhalation and if swallowed.
R35	Causes severe burns.
R37	Irritating to respiratory system.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

NITOCOTE EP405 HARDENER

S51	Use only in well-ventilated areas.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE 25/07/2010

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DATE 08/010/10

RISK PHRASES IN FULL

R34	Causes burns.
R35	Causes severe burns.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitisation by skin contact.
R63	Possible risk of harm to the unborn child.
R62	Possible risk of impaired fertility.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

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