



## SAFETY DATA SHEET NITOFLOR FC130 BASE

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

#### 1.1. Product identifier

**Product name** NITOFLOR FC130 BASE

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

**Identified uses** Base component of two-part epoxy floor coating.

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

**Supplier** Fosroc Idea Yapi Kimyasallari San. Ve Tic. A.S.  
Aydivevler mah. Sanayi cad. Demirtas Plaza No:13 Kat:3 34854  
Maltepe ISTANBUL  
TURKEY  
+90 216 463 6776  
enquiryturkey@fosroc.com

#### 1.4. Emergency telephone number

**Emergency telephone** +90 262 728 15 05

**National emergency telephone number** 114

### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

**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 toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Warning

**Hazard statements** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	<p>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq 700</math>), 2-ETHYL HEXYL GLYCIDYL ETHER, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol</p>
<b>Supplementary precautionary statements</b>	<p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p>

### 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

<b>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin</b> <b>(number average molecular weight <math>\leq 700</math>)</b>	<b>60-100%</b>
CAS number: 25068-38-6                      EC number: 500-033-5                      REACH registration number: 01-2119456619-26-XXXX	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
<b>2-ETHYL HEXYL GLYCIDYL ETHER</b>	<b>10-30%</b>
CAS number: 2461-15-6                      EC number: 219-553-6	
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317	

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<b>Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol</b>	<b>5-10%</b>
CAS number: 9003-36-5                      EC number: 500-006-8	
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	Keep affected person under observation. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Keep affected person under observation. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause sensitisation by inhalation.
<b>Ingestion</b>	May cause irritation of mouth, throat and digestive tract.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use foam, carbon dioxide, dry powder or water fog to extinguish.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Not known.
<b>Hazardous combustion products</b>	When heated, vapours/gases hazardous to health may be formed.

#### 5.3. Advice for firefighters

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**Protective actions during firefighting** Fight fire with normal precautions from a reasonable distance. Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water. Avoid the spillage or runoff entering drains, sewers or watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use air-supplied respirator, gloves and protective goggles.

### SECTION 6: Accidental release measures

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

**Personal precautions** For personal protection, see Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up** Contain and absorb spillage with sand, earth or other non-combustible material. Take care as floors and other surfaces may become slippery. Collect and place in suitable waste disposal containers and seal securely.

#### 6.4. Reference to other sections

**Reference to other sections** Collect and dispose of spillage as indicated in Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Good personal hygiene procedures should be implemented. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

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

**Storage precautions** Keep only in the original container in a cool, well-ventilated place.

**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 controls/Personal protection

#### 8.1. Control parameters

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) (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

2-ETHYL HEXYL GLYCIDYL ETHER (CAS: 2461-15-6)

**DNEL** Workers - Dermal; Long term : 4.17 mg/kg/day  
Workers - Dermal; Short term : 1 mg/kg/day

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<b>PNEC</b>	- Fresh water; 0.002 mg/l
	- marine water; 0.166 µg/l
	- Sediment (Freshwater); 0.177 mg/kg dw
	- Sediment (Marinewater); 0.018 mg/kg dw
	- STP; 0.017 mg/l

### Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (CAS: 9003-36-5)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 29.39 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 104.15 mg/kg/day
	Workers - Dermal; Short term local effects: 8.3 µg/cm <sup>2</sup>

<b>PNEC</b>	- Fresh water; 0.003 mg/l
	- marine water; 0.0003 mg/l
	- STP; 10 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Ensure control measures are regularly inspected and maintained.

#### 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: Wear tight-fitting, 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. Polyvinyl chloride (PVC). Nitrile rubber.

#### 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

When using do not eat, drink or smoke. 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 wet or contaminated.

#### Respiratory protection

No specific recommendations. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Gas filter, type K.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Various colours.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not determined.

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<b>Initial boiling point and range</b>	>200°C @ 1 atm
<b>Flash point</b>	>200°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	0.001 kPa @ 20°C
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.12 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Miscible with water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** Not available.

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

### 10.1. Reactivity

**Reactivity** The reactivity data for this product will be typical of those for the following class of materials: Epoxides.

### 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 decomposition products

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**Hazardous decomposition products**      When heated, vapours/gases hazardous to health may be formed.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<b>General information</b>	Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Ingestion</b>	May cause irritation of mouth, throat and digestive tract.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Acute and chronic health hazards</b>	Mild dermatitis, allergic skin rash.
<b>Route of exposure</b>	Skin and/or eye contact Ingestion Inhalation
<b>Target organs</b>	Skin Eyes

#### Toxicological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg)      5,000.0

Species      Rat

Notes (oral LD<sub>50</sub>)      NOAEL 750 mg/kg, Oral, Rat

ATE oral (mg/kg)      5,000.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg)      20,000.0

Species      Rabbit

Notes (dermal LD<sub>50</sub>)      LD<sub>50</sub> >1600 mg/kg, Dermal, Rat

ATE dermal (mg/kg)      20,000.0

##### Skin corrosion/irritation

Animal data      Rabbit Moderately irritating.

##### Skin sensitisation

Skin sensitisation      May cause sensitisation by skin contact.

#### 2-ETHYL HEXYL GLYCIDYL ETHER

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>)      LD<sub>50</sub> >5000 mg/kg, Oral, Rat

##### Acute toxicity - dermal

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**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rat

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> (7 hr) 0.15 mg/l, Inhalation, Rat

### Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

## SECTION 12: Ecological information

**Ecotoxicity** Dangerous for the environment. Toxic to aquatic life with long lasting effects.

### 12.1. Toxicity

**Toxicity** The product contains a substance which is harmful to aquatic organisms.

### Ecological information on ingredients.

#### reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

**Toxicity** Ecotoxic to fish/daphnia/algae

### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 3.6 mg/l, *Leuciscus idus* (Golden orfe)  
LC<sub>50</sub>, 96 hours: 2 mg/l, *Oncorhynchus mykiss* (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1.8 mg/l, *Daphnia magna*

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 11 mg/l, *Scenedesmus capricornutum* (fresh water algae)

#### 2-ETHYL HEXYL GLYCIDYL ETHER

### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 5000 mg/l, *Oncorhynchus mykiss* (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, : 7.2 mg/l, Freshwater invertebrates

**Acute toxicity - aquatic plants** NOEC, 72 hours: 500 mg/l, Freshwater algae

### Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >1000 mg/l, *Oncorhynchus mykiss* (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >1000 mg/l, *Daphnia magna*

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not expected to be biodegradable.

### Ecological information on ingredients.

#### reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)



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**Persistence and degradability** The product is not readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not applicable.

### Ecological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

**Partition coefficient** log Pow: 3.242

### 2-ETHYL HEXYL GLYCIDYL ETHER

**Partition coefficient** : 3.83

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

**Partition coefficient** : log Pow = Approximately 3.8 at 25 C

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### Ecological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

**Mobility** The product has poor water-solubility.

**Adsorption/desorption coefficient** Water - Koc: 445 @ °C

### 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 ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

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

### 12.6. Other adverse effects

**Other adverse effects** Not known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

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

## **SECTION 14: Transport information**

### 14.1. UN number

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UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

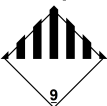
### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), EPOXY RESIN (Type F) (Number average MW ≤ 700 ))
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), EPOXY RESIN (Type F) (Number average MW ≤ 700 ))
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), EPOXY RESIN (Type F) (Number average MW ≤ 700 ))
<b>Proper shipping name (ADN)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), EPOXY RESIN (Type F) (Number average MW ≤ 700 ))

### 14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

#### Transport labels



### 14.4. Packing group

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

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-F
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<b>ADR transport category</b>	3
<b>Emergency Action Code</b>	•3Z
<b>Hazard Identification Number (ADR/RID)</b>	90
<b>Tunnel restriction code</b>	(-)

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

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

### **SECTION 15: Regulatory information**

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

**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).  
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).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

<b>Abbreviations and acronyms used in the safety data sheet</b>	DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
<b>General information</b>	Only trained personnel should use this material.
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	11/03/2020
<b>Revision</b>	1
<b>SDS number</b>	28484
<b>Hazard statements in full</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

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