

PAINTS, PRIMERS AND SPECIALISED COATINGS

SAFETY DATA SHEET

136/Q220 - PROFLOOR PLUS F.H. (FAST HARDENING) - BASE

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name 136/Q220 - PROFLOOR PLUS F.H. (FAST HARDENING) - BASE

Product number 136/Q220/Z - BASE

UFI UFI: 17UP-526N-Q002-YDE8

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

Identified uses BASE FOR TWO COMPONENT FLOOR COATING

Uses advised against NOT SUITABLE FOR FOR USE IN HOMEWORKER (DIY) APPLICATIONS

1.3. Details of the supplier of the safety data sheet

Supplier COO-VAR TEAL & MACKRILL EU B.V.

 Lockwood Street
 Zandvoortstraat 69

 HULL UK
 1976 BN IJMUIDEN

 HU2 0HN
 THE NETHERLANDS

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 info@coo-var.co.uk

Contact person Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

Manufacturer TEAL & MACKRILL LIMITED

LOCKWOOD STREET

HULL HU2 0HN

+44(0)1482 320194(T) +44(0)1482 219266(F) info@teamac.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 328053 Coo-Var (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SDS No. 11189

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

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Classification (67/548/EEC or -

1999/45/EC)

Human health The product contains a small amount of sensitising substance. May cause skin sensitisation

or allergic reactions in sensitive individuals.

When handled correctly, undamaged units represent no danger. **Physicochemical**

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.

Precautionary statements P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.

P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label

information

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

Contains REACTION PRODUCT: BISPHENOL A-(EPICHLOROHYDRIN): EPOXY RESIN (NUMBER

AVERAGE MW<=700), PHENOL FORMALDEHYDE POLYMER GLYCIDYL ETHER,

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

statements

Supplementary precautionary P403+P235 Store in a well-ventilated place. Keep cool.

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

Barium Sulphate 30-60%

CAS number: 7727-43-7 EC number: 231-784-4 REACH registration number: 01-

2119491274-35-0001

Classification Classification (67/548/EEC or 1999/45/EC)

Not Classified

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REACTION PRODUCT: BISPHENOL A- 10-30%

(EPICHLOROHYDRIN):EPOXY RESIN (NUMBER

AVERAGE MW<=700)

CAS number: 25068-38-6 EC number: 500-033-5 REACH registration number: 01-

2119456619-26-0006

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 R43 Xi;R36/38 N;R51/53

PHENOL FORMALDEHYDE POLYMER GLYCIDYL ETHER

10-30%

CAS number: 28064-14-4

Aquatic Chronic 2 - H411

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411 Xi;R36/38. N;R51/53. R43.

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

1-5%

CAS number: 68609-97-2 REACH registration number: 01-

2119485289-22-0005

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 R43 Xi;R38

Skin Sens. 1 - H317

Titanium Dioxide 1-5%

CAS number: 13463-67-7 EC number: 236-675-5 REACH registration number: 01-

2119489379-17-xxxx

Classification Classification (67/548/EEC or 1999/45/EC)

Carc. 2 - H351 -

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

Composition comments The classification as a carcinogen by inhalation applies only to mixtures in powder form

containing 1% or more of titanium dioxide which is in the form of or incorporated into particles

with an aerodynamic diameter of less than or equal to 10um.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Never give anything by mouth to an unconscious person.

Inhalation Remove affected person from source of contamination. Move affected person to fresh air and

keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and

ensure breathing can take place.

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Ingestion Give a few small glasses of water or milk to drink. Never give anything by mouth to an

unconscious person. Do not induce vomiting. Get medical attention if any discomfort

continues.

Skin contact Remove affected person from source of contamination. Rinse immediately with plenty of

water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact 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 immediately. Continue

to rinse.

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

General information Get medical attention promptly if symptoms occur after washing.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Non flammable at room temperature, but will burn. Use fire-extinguishing media suitable for

the surrounding fire. Extinguish with the following media: Water spray, fog or mist. Foam,

carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled

with water.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

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

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand,

earth or other suitable non-combustible material. 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 Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry

sand or earth and place into containers. Collect and place in suitable waste disposal

containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Avoid inhalation of vapours. Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink

or smoke when using the product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. The Manual Handling Operations Regulations may apply to the handling of containers of this product. For products sold by weight refer to the guide net weight indicated on the container. Allowance will have to be made for the immediate packaging to give an approximate gross weight.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Store in Storage precautions

closed original container at temperatures between 5°C and 25°C. Protect from freezing and

direct sunlight. Keep containers upright.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Collect and place in suitable waste disposal containers and seal securely. Label the

containers containing waste and contaminated materials and remove from the area as soon

as possible.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Barium Sulphate

Long-term exposure limit (8-hour TWA): 10 mg/m³ inhalable dust Long-term exposure limit (8-hour TWA): 4 mg/m³ respirable dust

Titanium Dioxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust WEL = Workplace Exposure Limit.

REACTION PRODUCT: BISPHENOL A-(EPICHLOROHYDRIN): EPOXY RESIN (NUMBER AVERAGE MW<=700) (CAS: 25068-38-6)

DNEL Workers - Dermal; Short term systemic effects: 8.33 mg/kg/day

> Workers - Inhalation; Long term systemic effects: 12.25 mg/m3 Workers - Dermal; Long term systemic effects: 8.33 mg/kg/day Workers - Inhalation; Short term systemic effects: 12.25 mg/m3 Consumer - Oral; Long term systemic effects: 0.75 mg/kg/day Consumer - Oral; Short term systemic effects: 0.75 mg/kg/day

Consumer - Dermal; Long term systemic effects: 3.571 mg/kg/day

PNEC - Fresh water; Long term 0.006 mg/l

- Sediment (Freshwater); Long term 0.996 mg/l

- STP; Long term 10 mg/l - Soil; Long term 0.196 mg/l - marine water; 0.0006 mg/l

- Sediment (Marinewater); 0.0996 mg/l

- Water; 0.0018 mg/l

Titanium Dioxide (CAS: 13463-67-7)

DNEL Industry - Inhalation; Long term local effects: 10 mg/m³

Consumer - Oral; Long term systemic effects: 700 mg/kg/day

PNEC - Fresh water; 0.184 mg/l

- marine water; 0.0184 mg/l

- Sediment (Freshwater); >=1000 mg/kg - Sediment (Marinewater); >=100 mg/kg

- Soil; 100 mg/kg - STP; 100 mg/kg

C.I. Pigment Red 101 (CAS: 1309-37-1)

DNEL Industry - Inhalation; Long term local effects: 3 respirable mg/m³

Industry - Inhalation; Long term local effects: 10 Inhalable mg/m³

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.

Personal protection

Unprotected persons should be kept away from treated areas.

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.

Hand protection

To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturers' performance data suggest that the optimum glove for use should be: Butyl rubber. Thickness: > 0.5 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. or Nitrile rubber. Thickness: > 0.4 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 240 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.

Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Viscous liquid. Coloured liquid.

Colour Various colours

Odour Slight.

Odour threshold Not determined.

Technically not feasible. Hq

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Melting point Not determined.

Initial boiling point and range >150°C @ 760 mm Hg

Flash point 96°C Closed cup.

Evaporation rate Not determined.

Evaporation factor Not determined.

Other flammability Not determined.

Vapour pressure <0.01 kPa @ °C

Vapour density heavier than air

Relative density about 1.72 @ 20°C

Solubility(ies) Immiscible with water

Partition coefficient Not determined.

Auto-ignition temperature Not determined.

Decomposition Temperature Not determined.

Viscosity Kinematic viscosity > 20.5 mm²/s.

Explosive properties Not determined.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties Not determined.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 198 (mixed unit) g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous

Will not occur

reactions

products

10.4. Conditions to avoid

Conditions to avoid Not known.

10.5. Incompatible materials

Materials to avoid Strong acids. Alkalis - inorganic. Amines. Mercaptans (thiols).

10.6. Hazardous decomposition products

Hazardous decomposition Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and

other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Toxicological effects No data recorded.

General information No specific health hazards known.

Inhalation May cause respiratory system irritation.

Ingestion Harmful if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and

the gastrointestinal tract.

Skin contact Irritating to skin. May cause sensitisation by skin contact.

Eye contact Irritating to eyes.

Acute and chronic health May cause sensitisation by skin contact. Delayed appearance of the complaints and

hazards development of hypersensitivity (difficulty breathing, coughing, asthma) are possible.

Route of exposure Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

Medical considerations Skin disorders and allergies.

Toxicological information on ingredients.

REACTION PRODUCT : BISPHENOL A-(EPICHLOROHYDRIN):EPOXY RESIN (NUMBER AVERAGE MW<=700)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 15,000.0

mg/kg)

Species Rat

ATE oral (mg/kg) 15,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 23,000.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 23,000.0

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product.

Ecological information on ingredients.

REACTION PRODUCT : BISPHENOL A-(EPICHLOROHYDRIN):EPOXY RESIN (NUMBER AVERAGE MW<=700)

Ecotoxicity The product contains substances which are toxic to aquatic organisms and which

may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

Ecological information on ingredients.

REACTION PRODUCT : BISPHENOL A-(EPICHLOROHYDRIN):EPOXY RESIN (NUMBER AVERAGE MW<=700)

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 2.0 mg/l, Leuciscus idus (Golden orfe)

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Acute toxicity - aquatic

EC₅₀, 48 hours: 1.8 mg/l, Daphnia magna

invertebrates

Acute toxicity - aquatic

EC₅₀, 72 hours: 11 mg/l, Freshwater algae

plants

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

No data available on bioaccumulation. Bioaccumulative potential

Partition coefficient Not determined.

Ecological information on ingredients.

REACTION PRODUCT: BISPHENOL A-(EPICHLOROHYDRIN): EPOXY RESIN (NUMBER AVERAGE MW<=700)

Bioaccumulative potential BCF: 31,

12.4. Mobility in soil

Mobility The product is non-volatile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

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

assessment

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Avoid the spillage or runoff entering drains, sewers or watercourses. Waste should be treated

> as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered. DO NOT reuse

containers containing residual product without commercial cleaning

Waste class When this material, in its liquid state, as supplied, becomes a waste, it is categorised as a

hazardous waste, with code 08 01 11* (EPOXY BASED LIQUID WASTE). Part-used

containers, not drained and/or rigorously scraped out and containing residues of the supplied material, are categorised as hazardous waste, with code 08 01 11* (EPOXY BASED LIQUID WASTE). Ideally this component should be mixed with the appropriate hardener and allowed to react fully to produce a solid waste. Neutralised empty packages, are categorised as nonhazardous waste, with code 15 01 02(plastic packaging) or 15 01 04 (metal packaging)

SECTION 14: Transport information

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR

and IMDG.

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

14.2. UN proper shipping name

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains EPOXY

(ADR/RID) RESIN, Class 9, PG III, MARINE POLLUTANT)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains EPOXY

RESIN, Class 9, PG III, MARINE POLLUTANT)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains EPOXY

RESIN, Class 9, PG III, MARINE POLLUTANT)

14.3. Transport hazard class(es)

ADR/RID class 9
IMDG class 9
ICAO class/division 9

Transport labels



14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A S-F

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

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).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

Road.

CAS: Chemical Abstracts Service.

DNEL: Derived No Effect Level.

GHS: Globally Harmonized System.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

LD₅o: Lethal Dose to 50% of a test population (Median Lethal Dose).

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation

(EC) No 1907/2006.

vPvB: Very Persistent and Very Bioaccumulative. EC₅o: 50% of maximal Effective Concentration.

Classification abbreviations and acronyms

Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Asp. Tox. = Aspiration hazard Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Resp. Sens. = Respiratory sensitisation

Skin Corr. = Skin corrosion Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation

STOT RE = Specific target organ toxicity-repeated exposure STOT SE = Specific target organ toxicity-single exposure

General information

This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Do not split packs. This product is supplied for professional use only. It is recommended that all users of these materials should ensure that they are properly trained in the operation, use and working practices associated with this class of products. This may be in the form of supervised experience, manufacturers training or preferably nationally accredited training courses.

Revision comments

Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 Classification of Titanium Dioxide updated in line with the 14th ATP to CLP.

Issued by Technical Dept. (N.O.)

Revision date 02/09/2021

Revision 8.0

Supersedes date 18/11/2020

SDS number 11189

SDS status Approved.

Hazard statements in full H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation. H351 Suspected of causing cancer.

H411 Toxic to aquatic life with long lasting effects.

Signature Initials _____

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.