SAFETY DATA SHEET
136/Q221 - PROFLOOR PLUS C.C. (COLD CURE) - BASE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	136/Q221 - PROFLOOR PLUS C.C. (COLD CURE) - BASE
Product No.	136/Q221/Z - BASE

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 Lockwood Street Hull HU2 0HN +44 (0) 1482 328053(T) +44 (0) 1482 219266(F) info@coo-var.co.uk
Contact Person	Technical Department - 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri as above

1.4. Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315;Eye Irrit. 2 - H319;Skin Sens. 1 - H317
Environment	Aquatic Chronic 2 - H411

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

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

Human health

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

Physical and Chemical Hazards

When handled correctly, undamaged units represent no danger.

2.2. Label elements

Contains

REACTION PRODUCT : BISPHENOL A-(EPICHLOROHYDRIN):EPOXY RESIN (NUMBER AVERAGE MW<=700)
PHENOL FORMALDEHYDE POLYMER GLYCIDYL ETHER
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

Label In Accordance With (EC) No. 1272/2008

Signal Word	Warning	
Hazard Statements		
	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.
Precautionary Statements		
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P321	Specific treatment (see medical advice on this label).
Supplementary Precautionary Statements		
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment.
	P313	Get medical advice/attention.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.
	P337	If eye irritation persists:
	P362	Take off contaminated clothing and wash before reuse.
	P363	Wash contaminated clothing before reuse.
	P391	Collect spillage.
	P501	Dispose of contents/container to …
Supplemental label information		
	EUH205	Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

REACTION PRODUCT : BISPHENOL A-(EPICHLOROHYDRIN):EPOXY RESIN (NUMBER AVERAGE MW<=700)	30-60%
CAS-No.: 25068-38-6 EC No.: 500-033-5	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 - H315	R43
Eye Irrit. 2 - H319	Xi;R36/38
Skin Sens. 1 - H317	N;R51/53
Aquatic Chronic 2 - H411	

PHENOL FORMALDEHYDE POLYMER GLYCIDYL ETHER	10-30%
CAS-No.: 9003-36-5 EC No.: 500-006-8	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 - H315	Xi;R36/38.
Skin Sens. 1 - H317	N;R51/53.
Aquatic Chronic 2 - H411	R43.

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS	10-30%
CAS-No.: 68609-97-2 EC No.:	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 - H315	R43
Skin Sens. 1 - H317	Xi;R38

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

General information

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.

Inhalation

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. Place unconscious person on the side in the recovery position and ensure breathing can take place.

Ingestion

Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

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

General information

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Non flammable at room temperature, but will burn. Use fire-extinguishing media appropriate for surrounding materials. Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

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

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

Avoid discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid inhalation of vapours. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap 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 closed original container at temperatures between 5°C and 25°C. Protect from freezing and direct sunlight. Keep upright.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Protective equipment

Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

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. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Eye protection

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

Other Protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

Personal protection

Unprotected persons should be kept away from treated areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Coloured paste.
Colour	Various colours
Odour	Slight odour.
Solubility	Insoluble in water
Initial boiling point and boiling range (°C)	>35
Relative density	1.44 - 1.46 20 °C

Vapour pressure

Not available.

pH-Value, Conc. Solution

Not available.

Viscous

Flash point (°C)	> 93 CC (Closed cup).

Auto Ignition Temperature (°C)

Not available.

Flammability Limit - Lower(%)

Not available.

Flammability Limit - Upper(%)

Not available.

9.2. Other information

Volatile Organic Compound (VOC)	141 (mixed unit) g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Unknown.

10.4. Conditions to avoid

May react expthermally with amines and mercaptans, also with acids.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Bases, alkalis (inorganic). Amines. Mercaptans (thiols).

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No data recorded.

General information

No specific health warnings noted.

Inhalation

May cause irritation to the respiratory system.

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.

Health Warnings

May cause sensitisation by skin contact. Delayed appearance of the complaints and development of hypersensitivity (difficulty breathing, coughing, asthma) are possible.

Route of entry

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

Medical Considerations

Skin disorders and allergies.

Toxicological information on ingredients.

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (CAS: 68609-97-2)

Toxic Dose 1 - LD 50

17100 mg/kg (oral rat)

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

Toxic Dose 1 - LD 50

11400 mg/kg (oral rat)

Toxic Dose 2 - LD 50

15600 mg/kg (oral-mouse)

Acute toxicity:

Acute Toxicity (Dermal LD50)

> 20 mg/kg Rabbit

Aspiration hazard:

Inhalation

Upper respiratory irritation.

Skin contact

Irritating to skin. May cause sensitisation by skin contact.

Irritating to eyes.

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) (CAS: 25068-38-6)

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

Acute Fish Toxicity

Toxicity to bacteria, algae and higher marine organisms not tested. COD: Not determined

Ecological information on ingredients.

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

Acute Toxicity - Fish

LC50 96 hours 3.6 mg/l Leuciscus idus (Golden orfe)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 2.8 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 96 hours 220 mg/l Freshwater algae

12.2. Persistence and degradability

Degradability

No data available.

Ecological information on ingredients.

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

Degradability

The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients.

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

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is non-volatile.

Ecological information on ingredients.

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

Mobility:

Not determined

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

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

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not determined.

Ecological information on ingredients.

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

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not allow to enter drains, sewers or watercourses. Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product. DO NOT reuse containers containing residual product without commercial cleaning

13.1. Waste treatment methods

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 non-hazardous 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/ADN)	3082
UN No. (IMDG)	3082

14.2. UN proper shipping name

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN Class	9
ADR/RID/ADN Class	Class 9: Environmentally hazardous substance, liquid, N.O.S. contains: epoxy constituents
ADR/RID/ADN Subsidiary Risk	HAZARD ID 90
IMDG Class	9
ICAO Class/Division	9

Transport Labels

14.4. Packing group

ADR/RID/ADN 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 MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

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 componentsand pack sizes are being used. Do not split packs.

Training Advice

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. 453/2010 Issued in accordance with REACH (Registration, Evaluation, Authorisation and restriction of Chemicals) Regulation (EC) 1907/2006 relating to 'For Professional Use Only' products.

Issued By	Technical Dept. (P.E.)
Revision Date	28/11/2016
Revision	7
Supersedes date	09/05/2016
SDS No.	11197

136/Q221 - PROFLOOR PLUS C.C. (COLD CURE) - BASE

Safety Data Sheet Status	Approved.
Date	Date printed _____
Signature	Initials _____

Risk Phrases In Full	
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.

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