



SAFETY DATA SHEET CPR 005

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

1.1. Product identifier

Product name CPR 005

Product number 50-005 A

REACH registration notes Polymer. All starting substances and monomers are REACH compliant.

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

Identified uses Refer to Technical Data Sheet

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Campbell Coutts Ltd
7 Tower Industrial Estate
Tower Lane
Eastleigh
Hampshire
SO50 6NZ
United Kingdom
+44(0)23 80613700
sales@flocking.biz

1.4. Emergency telephone number

Emergency telephone +44 (0)1257 425512 (09.00-17.00 hours GMT) +44 (0) 7966137782 (out of hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

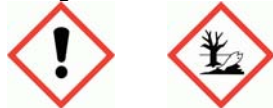
Physical hazards Not Classified

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

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



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.

CPR 005

Precautionary statements	P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P501 Dispose of contents/container in accordance with national regulations.
Supplemental label information	EUH205 Contains epoxy constituents. May produce an allergic reaction.
Contains	epoxy resin (number average molecular weight $\leq$ 700)

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

epoxy resin (number average molecular weight ≤ 700)			30-60%
CAS number: 25068-38-6	EC number: 500-033-5	REACH registration number: 01-2119456619-26-XXXX	
Classification Skin Sens. 1 - H317 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411			

benzyl alcohol			5-10%
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			

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

CPR 005

General information	Get medical attention immediately. If in doubt, get medical attention promptly. Keep affected person under observation. Never give anything by mouth to an unconscious person. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Rinse immediately with plenty of water. Consult a physician for specific advice. First aid personnel should wear appropriate protective equipment during any rescue. Get medical attention if any discomfort continues. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Move affected person to fresh air at once. Remove affected person from source of contamination. Show this Safety Data Sheet to the medical personnel. Treat symptomatically. While rinsing, remove clothing not adhering to the affected area.
Inhalation	For breathing difficulties, oxygen may be necessary. Get medical attention if symptoms are severe or persist. If breathing stops, provide artificial respiration. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
Ingestion	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if a large quantity has been ingested. Get medical attention if symptoms are severe or persist. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Rinse mouth thoroughly with water.
Skin contact	Care should be taken to avoid contact with contaminants when removing contaminated clothing. Consult a physician for specific advice. Following contact with hot product, immediately immerse affected area in, or flush with, large amounts of cold water to dissipate heat and cover with clean cotton sheeting or gauze. Get medical attention if any discomfort continues. Get medical attention if symptoms are severe or persist after washing. It is important to remove the substance from the skin immediately. Use suitable lotion to moisturise skin. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. Continue to rinse for at least 10 minutes. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
Eye contact	Do not rub eye. Rinse immediately with plenty of water. May cause permanent damage if eye is not immediately irrigated. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if symptoms are severe or persist after washing. Keep affected person under observation. If in doubt, get medical attention promptly. Consult a physician for specific advice.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	Seek medical attention in case of contact with Skin, Eyes or if inhaled. If adverse symptoms develop seek medical attention. Treat symptomatically. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. See Section 11 for additional information on health hazards. The product contains a sensitising substance.
Inhalation	Dust in high concentrations may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. No specific symptoms known. Gas or vapour may irritate the respiratory system.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	No specific symptoms known. Contact with hot product can cause serious thermal burns. Liquid may irritate skin.

CPR 005

Eye contact	Contact with hot product can cause serious thermal burns. Dust may irritate the eyes and the respiratory system. Causes serious eye irritation. Conjunctivitis, irritation, tearing. Irritation and redness, followed by blurred vision. Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing. Severe irritation, burning, tearing and blurred vision. Vapour or spray in the eyes may cause irritation and smarting. Visual disturbances, including blurred vision.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific antidote is known. No specific treatment is known. Treat symptomatically.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x).

5.3. Advice for firefighters

Protective actions during firefighting	Do not use water jet as an extinguisher, as this will spread the fire. Avoid breathing fire gases or vapours. Contain and collect extinguishing water. Control run-off water by containing and keeping it out of sewers and watercourses. Do not enter storage areas or confined spaces unless adequately ventilated. Fight fire from safe distance or protected location. If risk of water pollution occurs, notify appropriate authorities. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Move containers from fire area if it can be done without risk. No action shall be taken without appropriate training or involving any personal risk. Use water spray to reduce vapours. Ventilate closed spaces before entering them.
Special protective equipment for firefighters	Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. 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. Avoid contact with contaminated tools and objects. Avoid contact with eyes and prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes. Avoid inhalation of vapours and contact with skin and eyes. Contact with hot product can cause serious thermal burns. Do not enter storage areas or confined spaces unless adequately ventilated. Do not handle broken packages without protective equipment. Ensure procedures and training for emergency decontamination and disposal are in place. Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Follow precautions for safe handling described in this safety data sheet. For personal protection, see Section 8. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Keep unnecessary and unprotected personnel away from the spillage. No action shall be taken without appropriate training or involving any personal risk. Take care as floors and other surfaces may become slippery. Treat the spilled material according to the instructions in the clean-up section. Wash thoroughly after dealing with a spillage.
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CPR 005

For non-emergency personnel Keep unnecessary and unprotected personnel away from the spillage. Follow precautions for safe handling described in this safety data sheet. Ensure procedures and training for emergency decontamination and disposal are in place. For personal protection, see Section 8.

For emergency responders Keep unnecessary and unprotected personnel away from the spillage. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Dangerous for the environment. Avoid release to the environment. Avoid discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid discharge into drains. Avoid spreading dust or contaminated materials. Contain spillage with sand, earth or other suitable non-combustible material. Environmental Manager must be informed of all major spillages. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up When handling waste, the safety precautions applying to handling of the product should be considered. Provide adequate ventilation. To prevent release, place container with damaged side up. Contain spillage with sand, earth or other suitable non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Collect and dispose of spillage as indicated in Section 13. Do not empty into drains. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. During curing, the product will release small quantities of irritating vapours. Avoid inhalation of vapours and contact with skin and eyes. Contact with hot product can cause serious thermal burns. Contaminated rags and cloths must be put in fireproof containers for disposal. Ensure procedures and training for emergency decontamination and disposal are in place.

Advice on general occupational hygiene Contaminated work clothing should not be allowed out of the workplace. Change work clothing daily before leaving workplace. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Remove contaminated clothing and protective equipment before entering eating areas. Promptly remove any clothing that becomes contaminated. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Do not smoke in work area. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Use appropriate skin cream to prevent drying of skin. Wash hands thoroughly after handling. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Persons susceptible to allergic reactions should not handle this product.

7.2. Conditions for safe storage, including any incompatibilities

CPR 005

Storage precautions

Store at temperatures between 5°C and 15°C. Keep container in a well-ventilated place. Keep away from food and drink. Do not store near heat sources or expose to high temperatures. Do not enter storage areas or confined spaces unless adequately ventilated. Keep container tightly closed. Keep containers upright. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from oxidising materials, heat and flames. Protect from freezing and direct sunlight. Store away from incompatible materials (see Section 10). Use appropriate containment to avoid environmental contamination.

7.3. Specific end use(s)

Specific end use(s)

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

Usage description

Specific uses are identified in section 1.2, for further information refer to the technical data sheet.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

epoxy resin (number average molecular weight ≤ 700) (CAS: 25068-38-6)

DNEL

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

benzyl alcohol (CAS: 100-51-6)

DNEL

Workers - Dermal; : 9.5 mg/kg
 Workers - Inhalation; : 90 mg/m³
 Consumer - Oral; Short term systemic effects: 25 mg/kg/day
 Consumer - Oral; Long term systemic effects: 5 mg/kg/day
 Workers - Inhalation; Short term systemic effects: 450 mg/m³
 Consumer - Inhalation; Short term systemic effects: 95.5 mg/m³
 Workers - Dermal; Short term systemic effects: 47 mg/kg/day
 Consumer - Dermal; Short term systemic effects: 28.5 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 5.7 mg/kg/day

PNEC

- Soil; 0.456 mg/kg
 - STP; 39 mg/l
 - Sediment; 5.27 mg/kg
 - Sediment (Marinewater); 0.527 mg/kg
 - Intermittent release; 2.3 mg/l
 - Fresh water; 1 mg/l
 - Marine water; 0.1 mg/l

8.2. Exposure controls

CPR 005

Protective equipment



Appropriate engineering controls

Use local exhaust ventilation (LEV) or other engineering controls to maintain airborne concentration levels below any workplace exposure limits (WEL) or other statutory limits, guidance or recommendations. Ensure levels of emissions from LEV or work process equipment are within the requirements of local and national environmental protection legislation. In some cases fume scrubbers, filters or engineering modifications to process equipment may be necessary to reduce emissions to acceptable levels. Keep the gas/mist/vapour or dust concentrations below any lower explosion limits. Use explosion-proof electrical equipment if airborne dust levels are high.

Personal protection

A risk assessment should be carried out by a competent person to determine the correct PPE required when handling the product and any tasks to be performed. Employers should ensure that PPE is of the right size and fit for the wearer and that any tasks and environment have been taken into consideration when assigning suitable PPE, for example temperature and humidity. Suppliers should be consulted on the specifications and performance of PPE and its suitability. Reusable PPE should undergo thorough examination, and where appropriate testing at suitable intervals. PPE should be used in accordance with the manufacturer and or suppliers instructions. Ensure PPE is CE-marked and meets any legal requirements. Damaged PPE should not be used and must be replaced immediately. PPE should be properly stored and cleaned to ensure it remains effective. PPE should be used by trained persons and in accordance with the manufacturer's instructions, poor and in proper use may reduce effectiveness. Information on training and maintenance should be provided by the PPE supplier.

Eye/face protection

Eye protection should be used when handling this product and where a risk assessment demonstrates the possibility of exposure to the eye. In case of any likelihood of liquid splashes to the face a face shield (which allows the use of chemical goggles) or a full face respirator should be used to protect the face and eyes. Eye wash stations should be provided in or close to the work area.

Recommended; tightly fitted safety goggles with side shields in compliance with EN166.

Hand protection

Chemical resistant impervious gloves which comply with EN374 or another approved standard and are CE-marked should be used when handling the products or where exposure has been identified in the risk assessment. The supplier should advise on the gloves performance against permeation, penetration and degradation in use with this product as breakthrough times may vary depending on the use, source and thickness. Other factors should be taken into consideration such as other chemicals in the environment, physical requirements and the material dexterity required for the task to be carried out. The gloves should be compatible to the worker, the task to be carried out and other personal protective equipment (PPE) to be worn. Gloves should be changed regularly to prevent excessive moisture which can lead to skin irritation. Facilities should be provided for the disposal of contaminated and non-reusable protective gloves. Contaminated PPE should be disposed of as hazardous waste in accordance with local and national regulations. Where gloves are to be reused they should be washed before removing to prevent chemical contamination on the inside of the glove. Recommended; 60 minute or greater breakthrough time; greater than 8 mil thickness; in compliance with EN374; nitrile gloves.

Other skin and body protection

Suitable full body clothing should be worn to prevent any possibility of skin contact for example overalls. A rubber apron and boots should be worn in case of the likelihood of liquid splashes. Eyewash stations and safety showers should be provided in or close to the work area.

CPR 005

Hygiene measures	Wash hands, forearms and face at the end of each shift before eating, smoking, using the toilet or if skin becomes contaminated. Promptly remove any contaminated clothing using appropriate techniques to avoid further contamination to skin or other surrounding materials. Wash any contaminated clothing before reuse. Do not smoke, eat or drink in the work area.
Respiratory protection	Respiratory protection should be worn where indicated in the risk assessment that there is a likelihood of respiratory exposure and or where the WEL may be exceeded. Respiratory protections should always be considered in a risk assessment particularly where an inhalation exposure risk exists after other reasonable controls have been put into place such as engineering measures. Respiratory protection should also be worn in case of emergency, in the event of the failure of other controls or where controls and other means are not reasonable practical. The selection of respiratory protective equipment (RPE) should be based on the known or anticipated airborne concentration taking into consideration any WEL's. RPE should be suitable for the intended use taking into consideration the hazard and its adequacy to reduce exposure. RPE should be suitable to the wearer, task and the environment in which it is to be used. Other factors should be taken into consideration such as other chemicals in the work area, any physical requirements, expected wear time, work rate and vision requirements of the wearer. If there is more than one hazard present the highest protection factor required should be used. RPE should be CE-marked, of an approved type or standard approved by the HSE or other relevant National Health and Safety Authority. When calculating the protection factor always choose an Assigned Protection Factor (APF) above the calculated value. The RPE supplier should advise on the required APF required under the risk assessment. RPE should be properly stored and cleaned to ensure it remains effective. Regular checks and maintenance should be carried out as well as any suitable testing where it is to be repeatedly used. RPE should be used by trained persons and in accordance with the manufacturer's instructions, poor and in proper use may reduce effectiveness. Information on training and maintenance should be provided by the RPE supplier. Recommended for less than 1 hour continuous wear; half face mask in compliance with EN 140 or full face mask in compliance with EN136. Particle filter in compliance with EN143, filter type P2 or for gas/mists/vapour in compliance with EN14387, filter type A2.
Thermal hazards	Contact with hot product can cause serious thermal burns. If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures. To protect hands from high temperatures, gloves should comply with European Standard EN407.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Residues and containers should be disposed of as hazardous waste in accordance with local and national provisions. Accidental release or spillage into the environment should be prevented. Contaminated PPE or components or materials used to clean or disinfect PPE should be disposed of as hazardous waste.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Odour	Characteristic.
Viscosity	150 P @ 25°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

CPR 005

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

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None known.

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Avoid contact with strong oxidising agents. Acids - oxidising.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Heating may generate the following products: Carbon dioxide (CO₂). Carbon monoxide (CO). Harmful vapours may be liberated during curing.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Toxicity data is not available for this product, toxicity data on the hazardous substances listed in section 3 are listed below where available.

Acute toxicity - oral

ATE oral (mg/kg) 23,444.28

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 60.46

Toxicological information on ingredients.

epoxy resin (number average molecular weight ≤ 700)

Acute toxicity - oral

Notes (oral LD₅₀) LD50 >5000 mg/kg (Rat)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD50 >5000 mg/kg (Rat)

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Not known. Technically not feasible. Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Serious eye damage/irritation

Serious eye damage/irritation Severely irritating to skin. Irritation of eyes is assumed.

Skin sensitisation

Skin sensitisation Sensitising.

Reproductive toxicity

CPR 005

Reproductive toxicity - fertility	Fertility - NOAEL 750 mg/kg/day, Oral, Rat
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 180 mg/kg/day, Oral, Rat

benzyl alcohol**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 1,620.0

Species Rat

Notes (oral LD₅₀) (Rat) LD50 >2000 mg/kg

ATE oral (mg/kg) 500.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 4.178

Species Rat

Notes (inhalation LC₅₀) LC0 (4h) >4.178 mg/l

ATE inhalation (dusts/mists mg/l) 4.178

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

SECTION 12: Ecological Information

Ecotoxicity Dangerous for the environment. The product contains a substance which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity**Ecological information on ingredients.****epoxy resin (number average molecular weight ≤ 700)**

Acute toxicity - fish	LC ₅₀ , 96 hours: 2 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1.8 mg/l, Daphnia magna NOEC, 21 days: 0.3 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: > 11 mg/l, Algae

benzyl alcohol

Acute toxicity - fish LC₅₀, 96 hours: 460 mg/l, Fish

CPR 005

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 230 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 770 mg/l, Algae

Acute toxicity - microorganisms IC₅₀, 24 hours: 390 mg/l, Bacteria

12.2. Persistence and degradability**Ecological information on ingredients.****epoxy resin (number average molecular weight ≤ 700)**

Persistence and degradability The product is not readily biodegradable.

Biodegradation - Degradation 12 %:
OECD 301B "Ready Biodegradability: CO2 Evolution"

benzyl alcohol

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential**Ecological information on ingredients.****epoxy resin (number average molecular weight ≤ 700)**

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient : 3.242

benzyl alcohol

Bioaccumulative potential Not relevant.

12.4. Mobility in soil**Ecological information on ingredients.****epoxy resin (number average molecular weight ≤ 700)**

Surface tension 60 mN/m @ 20°C

benzyl alcohol

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment**Ecological information on ingredients.****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.

benzyl alcohol

CPR 005

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**

All packaging used is compliant with the requirements of EU Directive 94/62/EC for packaging and packaging components. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Confirm disposal procedures with environmental engineer and local regulations. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Dispose of waste product or used containers in accordance with local regulations. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods

Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Confirm disposal procedures with environmental engineer and local regulations. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of contents/container in accordance with local regulations. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains. External recovery, treatment, recycling and disposal of waste should comply with all applicable local and/or national regulations. Only store in correctly labelled containers. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. When handling waste, the safety precautions applying to handling of the product should be considered.

Waste class

08-04-09 waste adhesives and sealants containing organic solvents or other dangerous substances

SECTION 14: Transport information**14.1. UN number**

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) Environmentally hazardous substance, liquid, n.o.s. (EPOXY RESIN (Number average MW <= 700))

Proper shipping name (IMDG) Environmentally hazardous substance, liquid, n.o.s. (EPOXY RESIN (Number average MW <= 700))

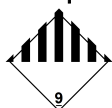
Proper shipping name (ICAO) Environmentally hazardous substance, liquid, n.o.s. (EPOXY RESIN (Number average MW <= 700))

CPR 005

Proper shipping name (ADN) Environmentally hazardous substance, liquid, n.o.s. (EPOXY RESIN (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
ADN 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
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 MARPOL73/78 and the IBC Code**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations	EH40/2005 Workplace exposure limits. Health and Safety at Work etc. Act 1974 (as amended).
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CPR 005

EU legislation	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010. 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).
Guidance	CHIP for everyone HSG228. Introduction to Local Exhaust Ventilation HS(G)37. Workplace Exposure Limits EH40.
Health and environmental listings	None of the ingredients are listed.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.
Water hazard classification	WGK 2
Regulatory Approvals	Heavy metals Cadmium [Cd], Mercury [Hg], Lead [Pb] and Chrome [Cr(VI)] are not intentionally used in the manufacture of this product.,Further regulatory approvals and compliance with regulatory standards are available upon request.
Tariff Code	3907300090

CPR 005

Listings

European Union EINECS European Inventory of Existing Commercial Substances [EINECS]. All components of this product are listed on the European Inventory of Existing Chemical Substances and/or are polymers [monomers included on EINECS] and/or meet the criteria of No Longer Polymer., Canada DSL: Canada. Domestic Substances List [DSL], as amended through October 21, 2015. All components of this product are listed on the Domestic Substances List., USA TSCA: Toxic Substances Control Act [TSCA] Chemical Substances Inventory [July 2015]. All components of this product are listed on the TSCA Inventory are in compliance with the requirements of TSCA., Japan ENCS: Industrial Safety & Health Law [ISHL] Inventory, as amended through September 25, 2015. All components of this product are listed on the Japanese Existing and New Chemicals Inventory., New Zealand ERMA: New Zealand. New Zealand Inventory of Chemicals [NZIoC], as published by ERMA New Zealand (as amended through August, 2015. All components of this product are listed on the Environmental Risk Management Authority of New Zealand., Korea KECl: Korea. Existing Chemicals Inventory [KECI], October 2nd, 2015. All components of this product are listed on the Korean Existing Chemicals Inventory or are not required to be listed on KECl., China IECSC: China. Inventory of Existing Chemical Substances [IECSC], 2013. All components of this product are listed on the Inventory of Existing Chemical Substances in China or are not required to be listed in IECSC., Philippines PICCS: Philippines. Inventory of Chemicals and Chemical Substances [PICCS], 2007. All components of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances., This list may not be exhaustive, contact the Company if you require details of inventory status not listed above.

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	PBT Persistent Bioaccumulative Toxic vPvB Very persistent Very Bioaccumulative WEL Workplace exposure limits
General information	Only trained personnel should use this material.
Revision date	23/11/2015
Revision	9
Supersedes date	07/07/2015
SDS number	5274
Risk phrases in full	R20/22 Harmful by inhalation and if swallowed. 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.
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.

CPR 005

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.