

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier** Trade Name / Product Code: P-413**Product Name: Brown Baked Phenolic Epoxy Coating****Article code:** HER006/1**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture:** Heat-cured phenolic coating for products fabricated of light gauge metal.**Uses advised against:** None specified.**1.3 Details of the supplier of the safety data sheet****Manufactured by:**HERESITE PROTECTIVE COATINGS, LLC
Liquid Coatings Division
822 SOUTH 14TH ST.
MANITOWOC, WI 54220, USA
TELEPHONE NUMBER: +1 (920) 684-6646
FAX NUMBER: +1 (920) 684-0110**Only Representative (OR) - Ramboll OR**Ramboll UK Limited, 240 Blackfriars Road, London SE1 8NW
Email: RambollOR@ramboll.com**1.4 Emergency telephone number**

Worldwide: Chemtrec +1 703-741-5970 / 1-800-424-9300

UK:

In England and Wales: NHS Direct - 0845 4647

In Scotland: NHS 24 - 08454 24 24 24

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 (CLP):**

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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Product Name: Brown Baked Phenolic Epoxy Coating

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP):**

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms:

GHS02 GHS07

Signal word: Danger

Hazard-determining components of labelling:

4,4'-(1-Methylethylidene)bisphenol polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]

2,2-Bis(4'-glycidioxyphenyl)propane

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

Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Additional information:

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

2.3 Other hazards

Results of PBT and vPvB assessment: The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions.

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Hazardous Components:		
CAS: 25036-25-3	4,4'-(1-Methylethylidene)bisphenol polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-30%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	10-20%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxy-2-propanol Flam. Liq. 3, H226 STOT SE 3, H336	5-10%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%
CAS: 1675-54-3 EINECS: 216-823-5 Index number: 603-073-00-2	2,2-Bis(4'-glycidylphenoxy)propane Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	1-5%
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 EUH205 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	1-5%
CAS: 85711-46-2	Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids Skin Irrit. 2, H315; Skin Sens. 1, H317	1-2%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	xylene Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	0.1-1%

Additional information:

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In all cases of doubt, or when sickness symptoms persist, seek medical attention.

Instantly remove any clothing soiled by the product.

Contaminated clothing should be laundered before reuse.

Contaminated work clothing should not be allowed out of the workplace.

After inhalation:

If not breathing, give artificial respiration.

Avoid breathing dust/fume/gas/mist/vapours/spray.

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Call a POISON CENTER/doctor if you feel unwell.

After skin contact:

Flush contaminated skin with large amounts of water while removing contaminated clothing.

Continue to rinse for at least 10 minutes.

If skin irritation occurs: Get medical advice/attention.

Wash clothes before reusing.

Clean shoes thoroughly before reuse.

After eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

If person is conscious, give them several glasses of water to drink.

Do not induce vomiting unless directed to do so by medical personnel.

Obtain immediate medical attention.

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

Repeated skin contact may result in sensitisation (allergy).

In case of contact with eyes and/or skin:

Eye irritation, redness, tearing and blurred vision.

Any additional important symptoms and effects are described in Section 11: Toxicological Information.

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

Symptomatic treatment following exposure to the product.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Alcohol-resistant foam

Carbon dioxide

Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents: Water with full water jet

5.2 Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters Do not inhale explosion gases or combustion gases.

Protective equipment:

Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep unprotected persons away.
Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
Inform authorities in case of release.
Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.
Keep contaminated washing water and dispose of appropriately.
Prevent seepage into sewage system, workpits and cellars.
Keep dirty washing water for appropriate disposal.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation and proper training.
Clean the accident area carefully; suitable cleaners are: Warm water and cleaning agent.
Send for recovery or disposal in suitable containers.
Do not flush with water or aqueous cleansing agents.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling:**

Ensure adequate ventilation.
Prevent the formation of aerosols.
Use solvent-proof equipment.
Avoid jolting, friction and impact.
Do not breathe mist/vapours/spray.
Take off contaminated clothing and wash it before reuse.

Information about fire - and explosion protection:

Highly flammable liquid and vapour.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Protect against electrostatic charges.
Wear shoes with insulated soles.
Protect against electrical device failure.
Use explosion-proof apparatus / fittings and spark-proof tools.
Ground and bond container and receiving equipment.

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7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Storehouses and workplaces must be sufficiently ventilated. Store in cool location.

Suitable storage temperature -40 °C - +40 °C.

Keep container tightly closed.

Protect from heat and direct sunlight.

Store in a cool location.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Store away from incompatible materials. See Section 10.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

Dispose of contents/container in accordance with local/regional/national/international regulations.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
CAS: 67-64-1 acetone	
WEL (Great Britain)	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
IOELV (EU)	Long-term value: 1210 mg/m ³ , 500 ppm
CAS: 107-98-2 1-methoxy-2-propanol	
WEL (Great Britain)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk
IOELV (EU)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin
CAS: 111-76-2 2-butoxyethanol	
WEL (Great Britain)	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 123 mg/m ³ , 25 ppm Sk, BMGV
IOELV (EU)	Short-term value: 246 mg/m ³ , 50 ppm Long-term value: 98 mg/m ³ , 20 ppm Skin

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CAS: 1330-20-7 xylene	
WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin

Regulatory information:

WEL (Great Britain): EH40/2020

IOELV (EU): (EU) 2019/1831

DNELs		
CAS: 67-64-1 acetone		
Oral	DNEL - long term - systemic	62 mg/kg (consumer)
Dermal	DNEL - long term - systemic	62 mg/kg (consumer) 186 mg/kg (worker)
Inhalative	DNEL - long term - local	2,420 mg/m ³ (worker)
	DNEL - long term - systemic	200 mg/m ³ (consumer) 1,210 mg/m ³ (worker)
CAS: 107-98-2 1-methoxy-2-propanol		
Oral	DNEL - long term - systemic	3.3 mg/kg (consumer)
Dermal	DNEL - long term - systemic	18.1 mg/kg (consumer) 50.6 mg/kg (worker)
Inhalative	DNEL - long term - systemic	43.9 mg/m ³ (consumer) 369 mg/m ³ (worker)
CAS: 111-76-2 2-butoxyethanol		
Oral	DNEL - short term - systemic	26.7 mg/kg (consumer)
	DNEL - long term - systemic	6.3 mg/kg (consumer)
Dermal	DNEL - long term - systemic	75 mg/kg (consumer) 125 mg/kg (worker)
	DNEL - short term - systemic	89 mg/kg (consumer) 89 mg/kg (worker)
Inhalative	DNEL - long term - systemic	59 mg/m ³ (consumer) 98 mg/m ³ (worker)
	DNEL - short term - local	147 mg/m ³ (consumer) 246 mg/m ³ (worker)
	DNEL - short term - systemic	426 mg/m ³ (consumer) 1,091 mg/m ³ (worker)

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PNECs	
CAS: 67-64-1 acetone	
PNEC	10.6 mg/L (freshwater fish) 1.06 mg/L (marine water) 100 mg/L (sewage treatment plant)
PNEC	30.4 mg/kg (sediment freshwater) 3.04 mg/kg (sediment marine water) 29.5 mg/kg (soil)
CAS: 107-98-2 1-methoxy-2-propanol	
PNEC	10 mg/L (freshwater fish) 100 mg/L (intermittent release) 1 mg/L (marine water) 41.6 mg/L (sediment freshwater) 4.17 mg/L (sediment marine water) 2.47 mg/L (soil) 100 mg/L (sewage treatment plant)
CAS: 111-76-2 2-butoxyethanol	
PNEC	8.8 mg/L (freshwater fish) 9.1 mg/L (intermittent release) 0.88 mg/L (marine water) 20 mg/L (secondary poisoning) 34.6 mg/L (sediment freshwater) 3.46 mg/L (sediment marine water) 2.33 mg/L (soil) 463 mg/L (sewage treatment plant)
Ingredients with biological limit values:	
CAS: 111-76-2 2-butoxyethanol	
BMGV (Great Britain)	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid
CAS: 1330-20-7 xylene	
BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

Regulatory information

Monitoring of substance concentrations in air at the workplace may be necessary to ensure compliance with official exposure limit values and adequacy of exposure controls. For some substances biological monitoring may also be appropriate. For further information contact the supplier or the competent authorities.

BMGV (Great Britain): EH40/2011

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8.2 Exposure controls**Appropriate engineering controls**

Engineering controls should be used as primary means to control exposures.

Make available emergency shower and eye wash at the workplace.

A workplace risk assessment must be carried out in order to determine the corrective engineering control and organizational measures and personal protective equipment.

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Take off contaminated clothing and wash it before reuse.

Wash hands thoroughly after handling.

Avoid contact with skin and eyes.

Do not inhale dust/smoke/gas/mist/vapor/spray.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Respiratory protection:

Engineering controls should be used as primary means to control exposures. Local exhaust ventilation is required unless used in a closed system. For laboratory use, handle in a lab fume hood.

If the applicable Occupational Exposure Level (OEL) is exceeded, wear a NIOSH certified respiratory protection equipment meeting US requirements (1910.134 Occupational Safety and Health Administration, Personal Protective Equipment, Respiratory Protection) with a protection factor sufficient to control exposures to below the OEL.

Use suitable respiratory protective device in case of insufficient ventilation or in case of leaks.

Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: chemical resistant gloves

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection Tightly sealed safety glasses.

Body protection:

Protective work clothing

Apron

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Physical state

Liquid

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Product Name: Brown Baked Phenolic Epoxy Coating

Colour:	Brown
Odour:	Solvent-like
Odour threshold:	Not determined
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range	56 °C (calculated)
Flammability	Highly flammable.
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	-20 °C (calculated)
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined
pH	No data available.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not determined.
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	76.3 mmHg
Density and/or relative density	
Density:	Not determined
Relative density:	Not determined.
Vapour density:	2.8

9.2 Other information**Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:** Not determined.**Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**Change in condition****Softening point/range****Oxidizing properties:** No data available.**Information with regard to physical hazard classes**

Explosives	None
Flammable gases	None
Aerosols	None
Oxidising gases	None
Gases under pressure	None
Flammable liquids	Highly flammable liquid and vapour.
Flammable solids	None
Self-reactive substances and mixtures	None
Pyrophoric liquids	None

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Product Name: Brown Baked Phenolic Epoxy Coating

Pyrophoric solids	None
Self-heating substances and mixtures	None
Substances and mixtures, which emit flammable gases in contact with water	None
Oxidising liquids	None
Oxidising solids	None
Organic peroxides	None
Corrosive to metals	None
Desensitised explosives	None
Specific Gravity	1.27

SECTION 10: Stability and reactivity

10.1 Reactivity: No known hazards with respect to reactivity when handled and stored according to provisions.

10.2 Chemical stability:

Stable under recommended storage and handling conditions.

(-40 °C - +40 °C)

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid:

High Temperatures.

Heat, flames and sparks.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: In case of fire: Carbon Dioxide, Carbon Monoxide, Hydrocarbons

Additional information: Thermal decomposition: No decomposition if used according to specifications.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

LD/LC50 values:

CAS: 67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>7,400 mg/kg (rabbit)
Inhalative	LC50	55,700 ppm (rat) (3h)

CAS: 107-98-2 1-methoxy-2-propanol

Oral	LD50	4,016 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC0	>7,000 ppm (rat) (6h)
	LC50	27.596 ppm (rat) (6h)

CAS: 111-76-2 2-butoxyethanol

Oral	LD50	1,746 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)

CAS: 1330-20-7 xylene

Oral	LD50	5,251 mg/kg (mouse)
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Product Name: Brown Baked Phenolic Epoxy Coating

Dermal	LD50	4,300 mg/kg (rat)
Inhalative	LC50/4h	>2,000 mg/kg (rabbit) 21.7 mg/L (rat)

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory tract: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 67-64-1 acetone

LC50	8,800 mg/L (Daphnia pulex) (48h)
	6,210 mg/L (Pimephales promelas) (96h)

CAS: 107-98-2 1-methoxy-2-propanol

EC50	>1,000 mg/L (activated sludge) (3h)
	23,300 mg/L (Daphnia magna) (48h)
	>1,000 mg/L (Pseudokirchneriella subcapitata) (7d)
LC50	>1,000 mg/L (Oncorhynchus mykiss) (96h)

CAS: 111-76-2 2-butoxyethanol

EC50	1,550 mg/L (Daphnia magna) (48h, OECD 202)
	911 mg/L (Pseudokirchneriella subcapitata) (72h, OECD 201)
LC50	1,474 mg/L (Oncorhynchus mykiss) (96h, OECD 203)

CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

ErC50	1.1-2.8 mg/L (Daphnia magna)
	9.1-9.4 mg/L (Scenedesmus capricornutum)

CAS: 1330-20-7 xylene

NOEC	157 mg/L (activated sludge) (OECD 209)
	1.17 mg/L (Ceriodaphnia dubia) (7d; US EPA 600/4-91/003)
	>1.3 mg/L (Oncorhynchus mykiss) (56d)

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IC50	2.2 mg/L (algae) 1 mg/L (Daphnia magna) (24h; OECD 202)
EC50	2.2 mg/L (Pseudokirchneriella subcapitata) (72h; OECD 201)
LC50	2.6 mg/L (Oncorhynchus mykiss) (96h; OECD 203) 26.7 mg/L (Pimephales promelas) (96h)

12.2 Persistence and degradability No relevant information available.

Components:

CAS: 25068-38-6 Epoxy Resin

Not readily biodegradable in water.

12.3 Bioaccumulative potential

CAS: 25068-38-6 Epoxy Resin

Low potential for bioaccumulation (BCF < 500).

Other information:

Additional ecological information - General notes:

At present no ecotoxicological assessments are known.

Avoid transfer into the environment.

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

12.4 Mobility in soil No relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Remove according to local authority recommendations, e.g. convey to a licensed incinerator.

Remove in accordance with the local official recommendations.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Waste disposal key:

08 00 00 Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks.

08 01 00 Wastes from MFSU and removal of paint and varnish

08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information
14.1 UN number or ID number

ADR, IMDG, IATA UN1263

14.2 UN proper shipping name
 ADR 1263 PAINT (vapour pressure at 50 °C not more than 110 kPa)
 IMDG, IATA PAINT
14.3 Transport hazard class(es)

ADR, IMDG, IATA


 Class 3 Flammable liquids.
 Label 3
14.4 Packing group

ADR, IMDG, IATA II

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code):

33

EMS Number:

F-E,S-E

Stowage Category

B

14.7 Maritime transport in bulk according to IMO instruments

Not determined

Transport/Additional information:

ADR

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Transport category

2

Tunnel restriction code

D/E

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IMDG**Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":

UN1263, PAINT (vapour pressure at 50 °C not more than 110 kPa), 3, II

SECTION 15: Regulatory information

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

EU-Regulations

Regulation (EC) No 1907/2006 (UK REACH)

Regulation (EC) No 1272/2008 (GB CLP)

Regulation 98/24/EC (employee health protection)

Directive 2012/18/EU**Named dangerous substances - ANNEX I:** None of the ingredients are listed.**Seveso category** P5c FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**National regulations:****Other regulations, limitations and prohibitive regulations:** No restrictions on use**15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

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Product Name: Brown Baked Phenolic Epoxy Coating

H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH205 Contains epoxy constituents. May produce an allergic reaction.

Training hints:

The product should only be handled by persons, who were informed sufficiently about the nature of the product and about the necessary safety precautions.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Sources: Data arise from reference works and literature.