

BC EA4 2217 AF – BASE

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

1.1 - Product identifier

Trade BC EA4 2217 AF - BASE
name/designation
Chemical name
Product-type Mixture

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

1.3 - Details of the supplier of the safety data sheet

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1.4 - Emergency telephone number

+44(0)1224822227

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2	Eye irritation - Category 2
Skin Sens. 1	Skin sensitization - Category 1
Muta. 1B	Germ cell mutagenicity - Category 1B
Carc. 1B	Carcinogenicity - Category 1B
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Epoxy resin (average mol. weight 700-1000) (CAS No.: 25036-25-3)||Naphtha (petroleum), heavy alkylate, Low boiling point modified naphtha, [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).] (CAS No.: 64741-65-7)

Signal word : Danger

Hazard pictograms



Hazard statements

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

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H340	May cause genetic defects
H350	May cause cancer
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing vapours.
P264	Wash face, hands 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, eye protection, face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see information on this label).
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.
P405	Store locked up.
P501	Dispose of container in an approved treatment center.

EUH-phrases

EUH208	Contains Epoxy resin (average mol. weight 700-1000) (25036-25-3) . May produce an allergic reaction
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2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
Epoxy resin (average mol. weight 700-1000)	CAS No. : 25036-25-3 Index No. : EC No. :	20-27	Skin Sens. 1 - H317	Not applicable
trizinc bis(orthophosphate)	CAS No. : 7779-90-0 Index No. : 030-011-00-6 EC No. : 231-944-3	1 - 3	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Not applicable

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butan-1-ol, n-butanol	CAS No. : 71-36-3 Index No. : 603-004-00-6 EC No. : 200-751-6	1 - 2	Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 STOT SE 3 (H335) - H335 STOT SE 3 (H336) - H336	Not applicable
Chemical name	No	%	Class	Spec. concentrations
Naphtha (petroleum), heavy alkylate, Low boiling point modified naphtha, [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).]	CAS No. : 64741-65-7 Index No. : 649-275-00-4 EC No. : 265-067-2	0.14625	Asp. Tox. 1 - H304 Carc. 1B - H350 Muta. 1B - H340	Not applicable
zinc oxide	CAS No. : 1314-13-2 Index No. : 030-013-00-7 EC No. : 215-222-5	0.0875	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- No special measures are necessary. - Provide fresh air.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin reactions, consult a physician.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- Causes skin irritation.
<u>Symptoms and effects - After eye contact</u>	- Causes eye irritation.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

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5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO ₂) - Foam - Extinguishing powder
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<u>Unsuitable extinguishing media</u>	- Full water jet
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5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- No information available.
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5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Use personal protection equipment.
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<u>For emergency responders</u>	- No information available.
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6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

<u>Methods and material for containment</u>	- No information available.
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<u>Methods and material for cleaning up</u>	- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Wash with plenty of water.
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<u>Inappropriate techniques</u>	- No information available.
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6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

<u>Recommendation</u>	- Avoid: Eye contact - It is recommended to design all work processes always so that the following is excluded: Eye contact - Avoid: Skin contact - It is recommended to design all work processes always so that the following is excluded: Skin contact
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<u>Advices on general occupational hygiene</u>	- No information available.
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7.2 - Conditions for safe storage, including any incompatibilities

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- No information available.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

- No information available.

- Suitable eye protection: Eye glasses with side protection



- Suitable eye protection: Dust protection eye glasses



- Suitable protective clothing: lab coat



- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Barrier creams are not substitutes for body protection.

- Tested protective gloves must be worn



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state

Liquid

Appearance

Liquid

Colour

red

Odour

Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available

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Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	1.36 g/cm ³
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available

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LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Toxicity : Substances

Epoxy resin (average mol. weight 700-1000) (25036-25-3)	
LD50 oral (rat)	> 2000 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
Naphtha (petroleum), heavy alkylate, Low boiling point modified naphtha, [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).] (64741-65-7)	
LD50 oral (rat)	> 7000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg
LC50 inhalation (rat)	> 5.04 ppmV 4 hours
butan-1-ol, n-butanol (71-36-3)	
LD50 oral (rat)	790 mg/kg Liver:Fatty liver degeneration. Kidney, Ureter, Bladder:Other changes. Blood:Other changes.
LD50 dermal (rabbit)	3400 mg/kg
LC50 inhalation (rat)	8000 ppmV 4 hours
trizinc bis(orthophosphate) (7779-90-0)	
LD50 oral (rat)	> 5000 mg/kg

<u>Skin corrosion/irritation</u>	- Not classified
<u>Serious eye damage/eye irritation</u>	- Eye irritation - Category 2 - Causes serious eye irritation
	- Irritating to eyes.
<u>Respiratory or skin sensitisation</u>	- Skin sensitization - Category 1 - May cause an allergic skin reaction
	- May cause sensitization by skin contact. - May cause an allergic skin reaction.
<u>Germ cell mutagenicity</u>	- Germ cell mutagenicity - Category 1B - May cause genetic defects
<u>Carcinogenicity</u>	- Carcinogenicity - Category 1B - May cause cancer
<u>Reproductive toxicity</u>	- Not classified
<u>STOT-single exposure</u>	- Not classified
<u>STOT-repeated exposure</u>	- Not classified

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Aspiration hazard - Not classified

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Naphtha (petroleum), heavy alkylate, Low boiling point modified naphtha, [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).]

(64741-65-7)

ErC50 algae	30000 mg/l 72 hours Static
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butan-1-ol, n-butanol (71-36-3)

EC50 48 hr crustacea	1983 mg/l
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LC50 96 hr fish	1840 mg/l
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trizinc bis(orthophosphate) (7779-90-0)

LC50 96 hr fish	0.09 mg/l
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zinc oxide (1314-13-2)

EC50 48 hr crustacea	0.098 mg/l
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LC50 96 hr fish	1.1 mg/l
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- Very toxic to aquatic life.
- Toxic to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

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- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number

<u>UN number (ADR)</u>	:	UN1263
<u>UN number (RID)</u>	:	UN1263
<u>UN number (ADN)</u>	:	UN1263
<u>UN number (IMDG)</u>	:	UN1263
<u>UN number (IATA)</u>	:	UN1263

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E
<u>UN proper shipping name (RID)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E
<u>UN proper shipping name (ADN)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E
<u>UN proper shipping name (IMDG)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E

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UN proper shipping name (IATA) : PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 3

ADR Classification code: Pictograms : F1

Transport hazard class(es) (RID) : 3

Pictograms



Transport hazard class(es) (ADN) : 3

Pictograms



Transport hazard class(es) (IMDG) : 3

Pictograms

Transport hazard class(es) (IATA) : 3

Pictograms

14.4 - Packing group

Packing group : III

Packing group (RID) : III

Packing group (ADN) : III

Packing group (IMDG) : III

Packing group (IATA) : III

14.5 - Environmental hazards

Environmental hazards : Yes.

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Marine pollutant : Hazardous to the aquatic environment - Aquatic Acute 1
Hazardous to the aquatic environment - Aquatic Chronic 2

14.6 - Special precautions for user

ADR

ADR Classification code: : F1
ADR Special provisions : 163+
640E+650+367
ADR Limited quantity (LQ) : 5 L
ADR Excepted quantities : E1
ADR Packing instructions : P001 IBC03 LP01 R001
ADR Special packing provisions : PP1
ADR Mixed packing provisions : MP19
Instructions for portable tanks and bulk containers : T2
Special provisions for portable tanks and bulk containers : TP1 TP29
ADR tank code : LGBF
ADR tanks special provisions :
Vehicle for tank carriage : FL
ADR Transport category : 3
ADR Tunnel restriction code : D/E
ADR Special provisions loading, unloading and handling :
Special provisions - Packages : V12
Special provisions - Bulk :
Special provisions - Operation : S2
ADR Hazard identification number (Kemler No.) : 30

RID

Special provisions :
Limited quantity (LQ) :
Excepted quantities :

ADN

Special provisions :
Limited quantity (LQ) :
Excepted quantities :

IMDG

Special provisions :
Limited quantity (LQ) :
Excepted quantities :
Packing instructions :
Special packing provisions :
IBC instruction(s) :
IBC provisions :
Instructions for portable tanks and bulk containers :
Special provisions for portable tanks and bulk containers :
EmS codes :

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<u>Stowage and handling</u>	:
<u>Segregation</u>	:
<u>Properties and observations</u>	:
IATA	
<u>PCA - Excepted quantities</u>	:
<u>PCA - Limited Quantity - Packing Instructions</u>	:
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:
<u>PCA - Packing Instructions</u>	:
<u>PCA - Maximum Net Quantity per Package</u>	:
<u>CAO - Packing Instructions</u>	:
<u>CAO - Maximum Net Quantity per Package</u>	:
<u>Special Provisions</u>	:
<u>ERG Code</u>	:

14.7 - Transport in bulk according to 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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out - No information available. out for the product

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
1	10.10.2019	

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Asp. Tox. 1	Aspiration hazard - Category 1
Carc. 1B	Carcinogenicity - Category 1B
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H226	Flammable liquid and vapour
H302	Harmful if swallowed

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H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
Muta. 1B	Germ cell mutagenicity - Category 1B
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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