

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

1.1. Product identifier

Product name: EJOT MULTIFIX SE800 400 / 600ML PN: 9570000400

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

Use of substance / mixture: A Chemical anchoring application

1.3. Details of the supplier of the safety data sheet

Company name: EJOT UK Ltd
Hurricane Close
Sherburn-in-Elmet
Leeds
LS25 6PB
Tel: +44(0)1977 687040
Fax: +44(0)1977 687041
Email: info@ejot.co.uk

1.4. Emergency telephone number

Emergency tel: Medical emergency information for poisoning:
Poison Information Centre Mainz - 24h - Tel.: +49 (0) 6131 19240
(advice in German or English)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Skin Corr. 1B: H314; Skin Sens. 1: H317

Most important adverse effects: Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark
GHS09: Environmental



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Signal words: Danger

Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

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

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+P352: IF ON SKIN: Wash with plenty of water.

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

Rinse skin with water .

P362+P364: Take off contaminated clothing and wash it before reuse.

Haz. ingredients (label): BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}; FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL; PHENOL, STYRENATED; 1,6-HEXANDIOLDIGLYCIDYLETHER; 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE; 1,3-BENZENEDIMETHANAMINE

2.3. Other hazards

Other hazards: Not applicable.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} - REACH registered number(s): 01-2119456619-26-XXXX

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|------------|-----------|--|---------|
| 500-033-5 | 25068-38-6 | - | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411 | 10-20% |

FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL - REACH registered number(s): 01-2119454392-40-XXXX

| | | | | |
|-----------|-----------|---|--|-------|
| 500-006-8 | 9003-36-5 | - | Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1: H317 | 3-10% |
|-----------|-----------|---|--|-------|

PHENOL, STYRENATED - REACH registered number(s): 01-2119980970-27-XXXX

| | | | | |
|-----------|------------|---|--|-------|
| 262-975-0 | 61788-44-1 | - | Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1: H317 | 3-10% |
|-----------|------------|---|--|-------|

1,6-HEXANDIOLDIGLYCIDYLETHER - REACH registered number(s): 01-2119463471-41-0005

| | | | | |
|-----------|------------|---|--|-------|
| 240-260-4 | 16096-31-4 | - | Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 | 3-10% |
|-----------|------------|---|--|-------|

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3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE - REACH registered number(s): 01-2119514687-32-XXXX

| | | | | |
|-----------|-----------|---|--|-------|
| 220-666-8 | 2855-13-2 | - | Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | 3-10% |
|-----------|-----------|---|--|-------|

1,3-BENZENEDIMETHANAMINE - REACH registered number(s): 01-2119480150-50-XXXX

| | | | | |
|-----------|-----------|---|--|------|
| 216-032-5 | 1477-55-0 | - | Skin Corr. 1B: H314; Acute Tox. 4: H302; Acute Tox. 4: H332; Skin Sens. 1: H317; Aquatic Chronic 3: H412 | 1-3% |
|-----------|-----------|---|--|------|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: No data available.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Do not create dust. Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Building and construction work (SU19).

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

PHENOL, STYRENATED

| Type | Exposure | Value | Population | Effect |
|------|----------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (repeated dose) | 7.4 mg/m ³ | Workers | Systemic |
| DNEL | Dermal (repeated dose) | 2.1 mg/kg bw/day | Workers | Systemic |
| DNEL | Dermal (repeated dose) | 1.31 mg/m ³ | General Population | Systemic |
| DNEL | Dermal (repeated dose) | 750 µg/kg bw/day | General Population | Systemic |

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1,6-HEXANDIOLDIGLYCIDYLETHER

| Type | Exposure | Value | Population | Effect |
|------|-----------------------|-----------------------|------------|----------|
| DNEL | Dermal | 2.8 mg/kg bw/day | Workers | Systemic |
| DNEL | Inhalation | 4.9 mg/m ³ | Workers | Systemic |
| PNEC | Fresh water | 0.0115 mg/l | - | - |
| PNEC | Fresh water sediments | 0.283 mg/kg | - | - |
| PNEC | Marine water | 0.00115 mg/l | - | - |
| PNEC | Marine sediments | 0.0283 mg/kg | - | - |
| PNEC | Soil (agricultural) | 0.223 mg/kg | - | - |

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

| Type | Exposure | Value | Population | Effect |
|------|--------------|------------------------|------------|----------|
| DNEL | Inhalation | 20.1 mg/m ³ | Workers | Systemic |
| DNEL | Inhalation | 20.1 mg/m ³ | Workers | Local |
| DNEL | Oral | 0.526 mg/kg bw/day | Consumers | Systemic |
| PNEC | Marine water | 0.006 mg/l | - | - |

1,3-BENZENEDIMETHANAMINE#

| Type | Exposure | Value | Population | Effect |
|------|----------------------------|----------------------|------------|----------|
| DNEL | Inhalation (repeated dose) | 1.2mg/m ³ | Workers | Systemic |
| DNEL | Inhalation (repeated dose) | 200µg/m ³ | Workers | Local |
| DNEL | Dermal | 330µg/kg bw/day | Workers | Systemic |

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection: Protective gloves. Nitrile gloves. Rubber gloves. Viton gloves. EN 374 Recommended thickness of material >0.4 mm. Breakthrough time of the glove material > 8 hours. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste

Colour: Various

Odour: Characteristic odour

Solubility in water: Insoluble

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Relative density: 1.5

VOC g/l: 0.00

9.2. Other information

Other information: Solid suspension - classified as non-flammable according to results from Test N.1 test method for readily combustible solids.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

| | | | | |
|-----|-----|------|-------|-------|
| ORL | MUS | LD50 | 15600 | mg/kg |
| ORL | RAT | LD50 | 11400 | mg/kg |
| SKN | RBT | LD50 | >20 | ml/kg |

PHENOL, STYRENATED

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | >2000 | mg/kg |

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

| | | | | |
|------|-----|------|------|-------|
| ORAL | RAT | LD50 | 1030 | mg/kg |
|------|-----|------|------|-------|

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1,3-BENZENEDIMETHANAMINE#

| | | | | |
|---------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | 930 | mg/kg |
| VAPOURS | RAT | LD50 | 11 | mg/kg |

Relevant hazards for product:

| Hazard | Route | Basis |
|--------------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

PHENOL, STYRENATED

| | | | |
|-------------------------------|-----------|------|------|
| ALGAE | 72H ErC50 | 3.14 | mg/l |
| Activated Sludge | 3H EC50 | 362 | mg/l |
| ZEBRAFISH (Brachydanio rerio) | 96H LC50 | 1-10 | mg/l |

1,3-BENZENEDIMETHANAMINE#

| | | | |
|--|-----------|------|------|
| Daphnia magna | 48H EC50 | 15.2 | mg/l |
| FISH | 96H LC50 | 87.6 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H ErC50 | 20.3 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss) | 96H LC50 | >100 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

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12.4. Mobility in soil

Mobility: Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 08 04 09

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1759

14.2. UN proper shipping name

Shipping name: CORROSIVE SOLID, N.O.S.
(3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE; 1,3-BENZENEDIMETHANAMINE)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

IMDG seg. group: 18

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Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

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.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.