

SAFETY DATA SHEET

DURALCO 4700 RESIN

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Compilation date: 08/11/2016

Revision No: 1

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

1.1. Product identifier

Product name: DURALCO 4700 RESIN

Synonyms: EHC: 28611000001333

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

Use of substance / mixture: PC1: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Company name: Ellsworth Adhesives (Europe) Ltd

2 Langlands Avenue
Kelvin South Business Park
East Kilbride, Glasgow
G75 0YG
United Kingdom

Tel: +44(0) 1355 231122

Fax: +44(0) 1355 235266

Email: eusds@ellsworth.com

Supplied by:
Sil-Mid Limited
2 Roman Park, Roman Way
Coleshill, West Midlands
B46 1HG, UK
T: 01675 432850
F: 01675 432870
E: info@silmid.com

1.4. Emergency telephone number

Emergency tel: +44(0) 1355 231122
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Carc. 2: H351; Aquatic Chronic 2: H411

Most important adverse effects: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer [inhalation]. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H351: Suspected of causing cancer [inhalation].
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Signal words: Warning

Precautionary statements: P201: Obtain special instructions before use.

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P261: Avoid breathing mist.

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

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical attention.

P273: Avoid release to the environment.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

EPOXY PHENOL NOVALAC - REACH registered number(s): 01-2119454392-40-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
608-164-0	28064-14-4	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	30-50%

ALUMINIUM OXIDE (POWDER)

215-691-6	1344-28-1	Substance with a Community workplace exposure limit.	-	30-50%
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ANTIMONY TRIOXIDE

215-175-0	1309-64-4	-	Carc. 2: H351	1-10%
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NAPHTHA (C7-C12 HYDROCARBONS), HYDRODESULFURISED HEAVY

265-185-4	64742-82-1	-	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411	<1%
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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. If irritation occurs or persists, seek medical attention. Transfer to hospital if necessary.

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

Ingestion: Do not induce vomiting. 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. May cause sensitisation in susceptible individuals.

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. Nausea and stomach pain may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

[cont...]

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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. Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

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. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside keep bystanders upwind and away from danger point.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. 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 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is exhaust ventilation of the area. Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Do not handle in a confined space.

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): PC1: Adhesives, sealants.

Section 8: Exposure controls/personal protection

8.1. Control parameters

[cont...]

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Hazardous ingredients:

ALUMINIUM OXIDE (POWDER)

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4 mg/m ³	-

ANTIMONY TRIOXIDE

UK	0.5 mg/m ³	-	-	-
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DNEL/PNEC Values

Hazardous ingredients:

ALUMINIUM OXIDE (POWDER)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	15.63 mg/m ³	Workers	Systemic
DNEL	Inhalation	15.63 mg/m ³	Workers	Local
PNEC	Fresh water	74.9 ug/L	-	-
PNEC	Microorganisms in sewage treatment	20 mg/L	-	-

ANTIMONY TRIOXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	0.5 mg/m ³	Workers	Local
DNEL	Dermal	281 mg/kg	Workers	Systemic
PNEC	Fresh water	113 ug/L	-	-
PNEC	Marine water	11.3 ug/L	-	-
PNEC	Microorganisms in sewage treatment	2.55 mg/L	-	-
PNEC	Fresh water sediments	11.2 mg/kg	-	-
PNEC	Fresh water sediments	2.24 mg/kg	-	-
PNEC	Soil (agricultural)	37 mg/kg	-	-

8.2. Exposure controls

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

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators Suitable respiratory protection should be worn when there is inadequate ventilation.

Hand protection: Impermeable gloves.

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

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Black

Odour: Slight

Solubility in water: Not miscible

Viscosity: Viscous

Flash point°C: 146

Relative density: 2

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9.2. Other information

Other information: No data available.

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.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

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:

EPOXY PHENOL NOVALAC

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

ALUMINIUM OXIDE (POWDER)

DUST/MIST	RAT	4H LC50	1.9	mg/l
ORAL	RAT	LD50	>15900	mg/kg

ANTIMONY TRIOXIDE

DERMAL	RBT	LD50	>8300	mg/kg
DUST/MIST	RAT	4H LC50	>5.2	mg/l

NAPHTHA (C7-C12 HYDROCARBONS), HYDRODESULFURISED HEAVY

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	4H LC50	>7.63	mg/l

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

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Carcinogenicity	--	Hazardous: calculated
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Symptoms / routes of exposure

- Skin contact:** There may be irritation and redness at the site of contact. May cause sensitisation in susceptible individuals.
- 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. Nausea and stomach pain may occur.
- Inhalation:** Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.
- Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

EPOXY PHENOL NOVALAC

ALGAE	72H ErC50	9.4	mg/l
Daphnia magna	48H EC50	1.7	mg/l
FISH	96H LC50	1.5	mg/l

ANTIMONY TRIOXIDE

ALGAE	72H ErC50	67	mg/l
Daphnia magna	48H EC50	>1000	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	>1000	mg/l

NAPHTHA (C7-C12 HYDROCARBONS), HYDRODESULFURISED HEAVY

Daphnia magna	48H EC50	4.5	mg/l
FISH	96H LC50	8.2	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	3.1	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

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: Toxic to aquatic organisms.

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

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Disposal of packaging: Arrange for collection by specialised disposal company.

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: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(EPOXY PHENOL NOVALAC)

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

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: 3

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: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411: Toxic 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.

