

# SAFETY DATA SHEET: **AD65, AD66, AD67, AD68, AD71 and AD73** **Speed Epoxy II Adhesive** (to go with Speed Epoxy II Hardener)

Revision Date: 23.07.2015

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

### 1.1. Product identifier

**Product name:** Speed Epoxy II Adhesive

### 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:** Deluxe Materials Ltd  
Unit 13, Cufaude Business Park  
Cufaude Lane, Bramley  
Hampshire  
RG26 5DL  
United Kingdom

**Tel:** +44 (0) 1256 883 944

**Email:** info@deluxematerials.com

### 1.4. Emergency telephone number +44 (0) 1256 883 944 office hours only

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CHIP:** Xi: R36/38; Sens.: R43; N: R51/53

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

**Most important adverse effects:** Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2. Label elements

**Label elements:**

**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.

**Signal words:** Warning

**Hazard pictograms:** GHS07: Exclamation mark

GHS09: Environmental



**Precautionary statements:** P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

[cont...]

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P264: Wash hands thoroughly after handling.

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

P302+352: IF ON SKIN: Wash with plenty of 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.

P321: Specific treatment (see instructions on this label).

### Label elements under CHIP:

**Hazard symbols:** Dangerous for the environment.

Irritant.



**Risk phrases:** 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.

**Safety phrases:** S24: Avoid contact with skin.

S37: Wear suitable gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

### 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:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

EINECS	CAS	CHIP Classification	CLP Classification	Percent
500-033-5	25068-38-6	Xi: R36/38; Sens.: R43; N: R51/53	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	>90%

C13/C15-ALKYLGLYCIDYLETHER

-	68081-84-5	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; -: EUH205; Aquatic Chronic 2: H411	1-10%
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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.

[cont...]

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

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Not applicable.

## **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:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### **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.

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## 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:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists 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. The floor of the storage room must be impermeable to prevent the escape of liquids.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.  
**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).  
**Hand protection:** Protective gloves.  
**Eye protection:** Safety glasses. Ensure eye bath is to hand.  
**Skin protection:** Protective clothing.  
**Environmental:** Prevent from entering in public sewers or the immediate environment.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid  
**Colour:** Colourless  
**Odour:** Barely perceptible odour  
**Flash point°C:** >93

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

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### 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:**

#### **BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}**

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

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated
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:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

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### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Not readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 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. Toxic to soil 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.

**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:** UN3082

### 14.2. UN proper shipping name

**Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BISPHENOL A/F-(EPICHLORHYDRIN) {REACTION PRODUCT})

### 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:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

[cont...]

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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**

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

**Phrases used in s.2 and s.3:** EUH205: Contains epoxy constituents. May produce an allergic reaction.

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.

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.

**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.

# SAFETY DATA SHEET: **AD71 SPEED EPOXY II 60 MINUTE HARDENER**

(Speed Epoxy II Hardener to be used with AD71 Speed Epoxy II Resin)

REVISION DATE: 16/6/2015

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name                      SPEED EPOXY II 60 minute hardener  
Product No.                        AD71

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

Identified uses                      Hardener and Adhesive mixed equal parts. Modelling adhesive  
Uses advised against                Specific uses are identified above and in the technical data sheet. No other uses have been identified and are advised against.

### 1.3. Details of the supplier of the safety data sheet

Supplier                              Deluxe Materials Ltd  
Unit 13, Cufau de Business Park  
Cufau de Lane, Bramley  
Hampshire, RG26 5DL  
United Kingdom  
  
Tel: +44(0)1256 883944  
Fax: +44(0)1256 883966  
  
info@deluxematerials.com

### 1.4. Emergency telephone number

+44(0)1256 883944 (09.00 -17.30 GMT)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Corr. 1B - H314; Skin Sens. 1 - H317; Repr. 2 - H361f
Environment	Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
Classification (1999/45/EEC)	Repr. Cat. 3; R62. C; R34. R43. N; R50/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### 2.2. Label elements

Contains                              DODECYLPHENOL  
2-PIPERAZIN-1-YLETHYLAMINE

Label In Accordance With (EC) No. 1272/2008



Signal Word                          Danger

Hazard Statements

H314

Causes severe skin burns and eye damage.



# SAFETY DATA SHEET: **SPEED EPOXY II 60 MINUTE HARDENER**

Precautionary Statements	H317	May cause an allergic skin reaction.
	H361f	Suspected of damaging fertility.
	H410	Very toxic to aquatic life with long lasting effects.
Supplementary Precautionary Statements	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P281	Use personal protective equipment as required.
	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 advice/attention.
	P310	Immediately call a POISON CENTER or doctor/physician.
	P501	Dispose of contents/container to ...
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P260	Do not breathe vapour/spray.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P321	Specific treatment (see medical advice on this label).
	P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.
	P363	Wash contaminated clothing before reuse.
	P391	Collect spillage.
	P405	Store locked up.

## 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

DODECYLPHENOL		30 - 60%
CAS-No.: 121158-58-5	EC No.: 310-154-3	Registration Number: 01-2119513207-49-xxxx
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361f Aquatic Chronic 1 - H410	Classification (67/548/EEC) Repr. Cat. 3;R62. Xi;R36/38. N;R50/53.	
2-PIPERAZIN-1-YLETHYLAMINE		10-30%
CAS-No.: 140-31-8	EC No.: 205-411-0	

# SAFETY DATA SHEET: SPEED EPOXY II 60 MINUTE HARDENER

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 4 - H302	C;R34
Acute Tox. 3 - H311	Xn;R21/22
Skin Corr. 1B - H314	R43
Eye Dam. 1 - H318	R52/53
Skin Sens. 1 - H317	
Aquatic Chronic 3 - H412	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition Comments**

The remaining components are trade secret.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

**Inhalation**

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention.

**Ingestion**

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.

**Skin contact**

Remove affected person from source of contamination. Rinse the skin immediately with lots of water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

**General information**

Seek medical Attention in case of contact with skin and eyes or inhalation or ingestion. If adverse symptoms develop seek medical attention

**Inhalation**

Upper respiratory irritation. Irritation of nose, throat and airway. Severe irritation in nose and throat.

**Ingestion**

May cause chemical burns in mouth and throat. May cause discomfort if swallowed. May cause stomach pain or vomiting. Nausea, vomiting.

**Skin contact**

Prolonged skin contact may cause redness and irritation. May cause serious chemical burns to the skin. Burning pain and severe corrosive skin damage. Mild dermatitis, allergic skin rash. May cause skin irritation/eczema.

**Eye contact**

Irritation of eyes and mucous membranes. May cause severe irritation to eyes. Irritating and may cause redness and pain. May cause blurred vision and serious eye damage. Irritation and redness followed by blurred vision. Profuse watering of the eyes. Irritation, burning, lachrymation, blurred vision after liquid splash. Visual disturbances including blurred vision Vapour, spray or dust may cause chronic eye irritation or eye damage. Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

**Extinguishing media**

Fire can be extinguished using: Carbon dioxide (CO2). Foam. Water spray, fog or mist.

**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**



# SAFETY DATA SHEET: **SPEED EPOXY II 60 MINUTE HARDENER**

## **Hazardous combustion products**

None under normal conditions. In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## **Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

## **Specific hazards**

In case of fire, toxic and corrosive gases may be formed.

## **5.3. Advice for firefighters**

### **Special Fire Fighting Procedures**

No specific fire fighting procedure given. Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Fight advanced or massive fires from safe distance or protected location. If possible, fight fire from protected position. Be aware of danger for fire to re-start. Beware, risk of formation of toxic and corrosive gases. Be aware of danger of explosion. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Stay away from ends of tanks. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

### **Protective equipment for fire-fighters**

Wear full protective clothing. Use air-supplied respirator during fire fighting.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Use protective gloves, goggles and suitable protective clothing. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Avoid inhalation of vapours and contact with skin and eyes. Avoid inhalation of spray mist and contact with skin and eyes. Avoid inhalation of dust. Avoid inhalation of dust and vapours. Avoid inhalation of vapours and aerosol spray. Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. In case of spills, beware of slippery floors and surfaces.

#### **6.1.1 For non-emergency personnel**

Keep unnecessary and unprotected people away. Do not touch or walk through spilt material. Avoid breathing vapours.

Provide ventilation. Use PPE

#### **6.1.2. Emergency Responders**

Wear Personal Protection Equipment (PPE) as outlined in section 8.2. Shut off any leaks without personal risk. Attempt to disperse any vapour cloud or direct product flow into a safe area by means of fog sprays. Monitor the area for vapours.

### **6.2. Environmental precautions**

Do not discharge onto the ground or into water courses. Prevent entry into drains. Avoid discharge to the aquatic environment. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities. To prevent release, place container with damaged side up. Collect and dispose of spillage as indicated in section 13. Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material. Avoid spreading dust or contaminated materials.

### **6.3. Methods and material for containment and cleaning up**

Stop leak if possible without risk. DO NOT touch spilled material! Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

#### **6.3.1. Containment**

Contain spill by a bund

#### **6.3.2. Clean Up**

Use Vermiculite, sand or earth or earth to absorb spill and place in containers for disposal as described in section 13. Wear Full PPE as described in sections 6 and 8.

#### **6.3.3. Other Information**

Remember do not wash into the drains. Do not reuse the material directly. Notify the Competent Authority for exceptionally large spillages where a danger to health of the general public or the environment may occur.

### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13. Collect and dispose of spillage as indicated in section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Provide good ventilation.

# SAFETY DATA SHEET: SPEED EPOXY II 60 MINUTE HARDENER

## 7.1.1 Recommendations for Safe Handling

Wear PPE as outlined in section 8.

## 7.1.2. Advice on Occupational Hygiene

Do not eat, drink or smoke where this material is being used. Wash thoroughly after using this product. Air dry any contaminated clothing before washing. Do not use this material until all safety precautions have been read.

## 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

## 7.3. Specific end use(s)

Refer to technical data sheet

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

### Ingredient Comments

WEL = Workplace Exposure Limits

## 8.2. Exposure controls

### Protective equipment



### Engineering measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

### Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

### Hand protection

Use protective gloves.

### Eye protection

Use approved safety goggles or face shield.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Straw.
Odour	Characteristic.
Initial boiling point and boiling range (°C)	>200
Relative density	1.000
Viscosity	50.0 Ps 25
Flash point (°C)	>130

## 9.2. Other information

Not known.

# SECTION 10: STABILITY AND REACTIVITY

# SAFETY DATA SHEET: **SPEED EPOXY II 60 MINUTE HARDENER**

## 10.1. Reactivity

No specific reactivity hazards associated with this product.

## 10.2. Chemical stability

Stable under normal temperature conditions.

## 10.3. Possibility of hazardous reactions

Under normal conditions for storage and use hazardous reaction will not occur

### **Hazardous Polymerisation**

Under normal conditions for storage and use, hazardous polymerisation will not occur

## 10.4. Conditions to avoid

Avoid contact with acids and oxidising substances.

## 10.5. Incompatible materials

### **Materials To Avoid**

Strong oxidising substances.

## 10.6. Hazardous decomposition products

High temperatures generate: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Toxicological information**

No information available.

#### **Inhalation**

No specific health warnings noted.

#### **Ingestion**

Harmful if swallowed.

#### **Skin contact**

May cause sensitisation by skin contact. Causes burns.

#### **Eye contact**

Irritating to eyes.

#### **Route of entry**

Inhalation. Ingestion. Skin and/or eye contact.

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### 12.4. Mobility in soil

#### **Mobility:**

Not determined.



# SAFETY DATA SHEET: **SPEED EPOXY II 60 MINUTE HARDENER**

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

UN No. (ADR/RID/ADN)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760

**14.2. UN proper shipping name**

Proper Shipping Name	Corrosive Liquid n.o.s. (dodecylphenol - 2-piperazin-1-ylethylamine)
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**14.3. Transport hazard class(es)**

ADR/RID/ADN Class	8
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8
Transport Labels	



**14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG 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-B
Emergency Action Code	2X

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Hazard No. (ADR) 80  
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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

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 and toxic vPvB - Very Persistent, very Bioaccumulative WEL- Workplace exposure limits

General information

Only trained personnel should use this material.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 09/12/2014  
Revision 10  
Supersedes date 31/10/2014

Risk Phrases In Full

R34 Causes burns.  
R21/22 Harmful in contact with skin and if swallowed.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact.  
R62 Possible risk of impaired fertility.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H361f Suspected of damaging fertility.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

# SAFETY DATA SHEET: **SPEED EPOXY II 60 MINUTE HARDENER**

## Disclaimer

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.