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MATERIAL SAFETY DATA SHEET UPS 241 HDX HEAVY DUTY CERAMIC X

MANUFACTURER:

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THIS PRODUCT IS A KIT AND SUPPLIED AS A MULTI PART PRODUCT WHICH CONSISTS OF A BASE COMPONENT AND ACTIVATOR COMPONENT. THIS DOCUMENT CONTAINS THE MSDS FOR BOTH BASE AND ACTIVATOR COMPONENTS.

TRANSPORTATION INFORMATION

ACTIVATOR	BASE
UN number: UN1759	UN number
UN proper shipping name	UN number: UN3077
Shipping name: CORROSIVE SOLID, N.O.S.	UN proper shipping name
(4-TERT-BUTYLPHENOL)	Shipping name: ENVIRONMENTALLY HAZARDOUS
Transport class: 8	SUBSTANCE, SOLID, N.O.S.
Packing group	Transport class: 9
Packing group: II	Packing group
Environmental hazards	Packing group: III
Environmentally hazardous: No Marine pollutant: Yes	Environmental hazards
Special precautions for user	Environmentally hazardous: Yes Marine pollutant: Yes
Special precautions: No special precautions.	Special precautions for user
Tunnel code: E	Special precautions: No special precautions.
Transport category: 2	Tunnel code: E
	Transport category: 3

DISCLAIMER: The information supplied in the MSDS is correct at the time of writing and date of issue. No warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for particular purpose or course of performance or usage of trade. The user of the material is responsible for ensuring the suitability of this product for application.

SECTION 1: Identification of Substance/ Preparation and Company

ACTIVATOD

Unique Polymer Systems LTD
Unit 19 Link Business Centre, Link Way, Malvern, WR14 1UQ, United Kingdom +44(0) 1531 63 63 00





1.1 Product identifierUPS 241 HDX HEAVY DUTY CERAMIC X ACTIVATOR

- 1.2 Relevant identified uses of the substance or mixture and uses advised against Aliphatic polyamine hardener blend with inert fillers for repairing metalwork
- Details of the supplier of the safety data sheet Unique Polymer Systems LTD, Unit 19, Link Business Centre, Link Way, Malvern, Worcestershire, WR14 1UQ United Kingdom Tel: +44 (0) 1531 63 63 00
- 1.4 Emergency telephone number +44 (0) 1531 63 63 00 (9am to 5pm)

Email: info@uniquepolymersystems.com

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification under CHIP: C: R34; Sens.: R43; -: R52/53; Xn: R62

Classification under CLP: Aquatic Chronic 3: H412; Repr. 2: H361f; Skin Corr. 1B: H314; Skin Sens. 1A: H317 Most important adverse effects: Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms,

may cause long-term adverse effects in the aquatic environment. Possible risk of

impaired fertility.

2.2. Label elements Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction. H361f: Suspected of damaging fertility.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark GHS08: Health hazard







Precautionary statements: P102: Keep out of reach of children.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe vapours.

P273: Avoid release to the environment.

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

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

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(EC) 1907/2006 and its modifications

contact lenses, if present and easy to do. Continue rinsing.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P501: Dispose of contents/container to hazardous or special waste collection point.

Label elements under CHIP: Hazard symbols: Corrosive.



Risk phrases: R34: Causes burns.

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

R62: Possible risk of impaired fertility.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S29: Do not empty into drains.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show

the label where possible).

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:

4-TERT-BUTYLPHENOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
202-679-0	98-54-4	Xi: R38; Xi: R41; Xn:	Repr. 2: H361f; Skin	10-30%
		R62	Irrit. 2: H315; Eye	
			Dam. 1: H318	

REBUILD | ENHANCE ____

M-PHENYLENEBIS(METHYLAMINE)

216-032-5	1477-55-0	C: R34; Xn: R20/22;	Skin Corr. 1B: H314;	1-10%
210-032-3	1477-33-0	U. N34, AH. N20/22,	SKIII COII. 16. 11314,	1-10%
		Sens.: R43	Acute Tox. 4:	
			H302; Skin Sens. 1:	
			H317; Aquatic	
			Chronic 3: H412;	
			Acute Tox. 4: H332	

TRIMETHYLHEXANE-1,6-DIAMINE

247-063-2	25513-64-8	C: R34; Xn: R22;	Skin Corr. 1C: H314;	1-10%
		Sens.: R43	Acute Tox. 4:	
			H302; Skin Sens. 1A:	
			H317; Aquatic	
			Chronic 3: H412;	
			Acute Tox. 4: H312	

PHENOL, STYROLISED

262-975-0 61788-44-1 Xi: R38; Sens.:	43; Skin Irrit. 2: H315; 1-10%
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(EC) 1907/2006 and its modifications Skin Sens. 1: H317; N: R51/53 Aquatic Chronic 2: H411 BENZYL ALCOHOL 202-859-9 100-51-6 Xn: R20/22 Acute Tox. 4: H332: 1-10% Acute Tox. 4: H302 4,4-METHYLENEBIS(CYCLOHEXYLAMINE) <u>1761-</u>71-3 Acute Tox. 4: H302: 1-10% 217-168-8 Skin Sens. 1: H317; STOT RE 2: H373: Skin Corr. 1B: H314

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.

Drench the affected skin with running water for 10 minutes or longer if substance is still

on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary.

If unconscious and breathing is OK, place in the recovery position. Transfer to hospital

as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. 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: Corrosive. 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





(EC) 1907/2006 and its modifications

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective

clothing - see section 8 of SDS. Do not create dust.

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: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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: 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 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): 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: Self-contained breathing apparatus must be available in case of emergency. Respiratory

protective device with particle filter. Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste
Colour: Dark grey
Odour: Ammoniacal
Solubility in water: Insoluble
Viscosity: Non-viscous

Boiling point/range°C: >200 Flash point°C: >100 Autoflammability°C: 380 Relative density: 1.4

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.

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:

M-PHENYLENEBIS(METHYLAMINE)

DERMAL	RAT	LD50	3100	mg/kg
ORAL	RAT	LD50	930	mg/kg

TRIMETHYLHEXANE-1,6-DIAMINE

DERMAL	RAT	LD50	1280	mg/kg
ORAL	RAT	LD50	910	mg/kg

PHENOL, STYROLISED

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

BENZYL ALCOHOL

IVN	RAT	LD50	53	mg/kg	
ORL	MUS	LD50	1360	mg/kg	
ORI	RAT	A FID50-BI	120	ma/ka	

4,4-METHYLENEBIS(CYCLOHEXYLAMINE)

DERMAL	RAT	LD50	2110	mg/kg
ORAL	RAT	LD50	625	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous; calculated
Sensitisation	DRM	Hazardous; calculated
Toxicity for reproduction	-	Hazardous; calculated

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be





bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may

cause coughing or wheezing.

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

Section 12: Ecological information

12.1. Toxicity
Hazardous ingredients:

M-PHENYLENEBIS(METHYLAMINE)

DAPHNIA	48H EC50	15.2	mg/l	
FISH	96H L C50	>100	ma/l	

TRIMETHYLHEXANE-1,6-DIAMINE

FISH	48H EC50	174	ma/l
1 101 1	1 401 1 LOSO	1 <i>1</i> 4	[ITIG/1

PHENOL, STYROLISED

DAPHNIA	48H EC50	1-10	mg/l
FISH	96H LC50	14.8	mg/l

4,4-METHYLENEBIS(CYCLOHEXYLAMINE)

DAPHNIA MAGNA	48H EC50	6.84	mg/l	

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No 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: 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.

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. (4-TERT-BUTYLPHENOL) 14.3. Transport hazard class(es) Transport class: 8





14.4. Packing group
Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E Transport category: 2

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 453/2010.

* 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.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

H361f: Suspected of damaging fertility.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <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.

H412: Harmful to aquatic life with long lasting effects.

R20/22: Harmful by inhalation and if swallowed.

R22: Harmful if swallowed.

R34: Causes burns.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

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SECTION 1: Identification of Substance/ Preparation and Company

- 1.2 Product identifierUPS 241 HDX HEAVY DUTY CERAMIC X BASE
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Aliphatic polyamine hardener blend with inert fillers for repairing metalwork
- Details of the supplier of the safety data sheet
 Unique Polymer Systems LTD,
 Unit 19, Link Business Centre,
 Link Way, Malvern, Worcestershire,
 WR14 1UQ
 United Kingdom

Tel: +44 (0) 1531 63 63 00

Email: info@uniquepolymersystems.com

1.4 Emergency telephone number +44 (0) 1531 63 63 00 (9am to 5pm)

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: P102: Keep out of reach of children.

P261: Avoid breathing vapours.

P264: Wash skin thoroughly after handling. P273: Avoid release to the environment.





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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.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P501: Dispose of contents/container to hazardous or special waste collection point.

Label elements under CHIP: Hazard symbols: Irritant.

Dangerous for the environment.





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: S2: Keep out of the reach of children.

S24: Avoid contact with skin. S29: Do not empty into drains. 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 F TYPE EPOXY RESIN

EINECS	CAS	CHIP Classification	CLP Classification	Percent
500-108-2	28064-14-4	Xi: R36/38; N:	Skin Irrit. 2: H315;	10-30%
	- INNOVAIL	R51/53; Sens.: R43	Eye Irrit. 2: H319;	
			Skin Sens. 1: H317;	
			Aquatic Chronic 2:	
			H411	

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

500-033-5	25068-38-6	Xi: R36/38; Sens.:	Eye Irrit. 2: H319;	10-30%
		R43; N: R51/53	Skin Irrit. 2: H315;	
			Skin Sens. 1: H317;	
			Aquatic Chronic 2:	
			H411	

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.





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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

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: 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.

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. Do not create dust.

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.

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 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. The floor of the storage room must be impermeable to prevent the escape of liquids.

Suitable packaging: Must only be kept in original packaging.

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. The floor of the storage room must be

impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory

protective device with particle filter. 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: Paste Colour: Various

Odour: Barely perceptible odour Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble Viscosity: Highly viscous

Boiling point/range°C: >200 Flash point°C: >150

Relative density: 2.1g/cc 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.

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>2000	mg/kg
ORAL	RBT	LD50	>2000	mg/kg

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}





(EC) 1907/2006 and its modifications

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

Relevant effects for mixture:

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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

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	>5000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

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. 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.

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: UN3077

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es)

Transport class: 9 14.4. Packing group Packing group: III

14.5. Environmental hazards

Unique Polymer Systems LTD





(EC) 1907/2006 and its modifications

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

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: 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.

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