

# SAFETY DATA SHEET – MasterCast 1-2-1 Clear Artwork Resin



Part A – RESIN

Compilation date: 12/06/2015 Revision No: 1

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

**1.1. Product identifier** Product name:

MasterCast 1-2-1 Clear Artwork and casting Resin

- **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

Company name:	Eli-Chem Resins U.K Ltd	
	Astra House, The Common	
	Cranleigh, Surrey, GU6 8RZ	
	United Kingdom	
Tel:	+44( 1483 ) 26 66 36	
Fax:	+44( 1483 ) 26 66 50	
Email:	sales@elichem.co.uk	
Social Media	<b>f</b> <u>www.facebook.com/elichem</u>	
	🕑 Twitter @elichemresins	

#### 1.4. Emergency telephone number

Emergency tel:

+44 (1483) 26 66 36 (U.K office hours only)

### Section 2: Hazardous 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 under CLP:

<ul> <li>H317: May cause an allergic skin reaction.</li> <li>H319: Causes serious eye irritation.</li> <li>H319: Causes serious eye irritation.</li> <li>H411: Toxic to aquatic life with long lasting effects.</li> <li>Signal words: Warning</li> <li>Hazard pictograms: GHS07: Exclamation mark</li> <li>GHS09: Environmental</li> <li>GHS09: Environmental</li> <li>Precautionary statements: P264: Wash hands thoroughly after handling.</li> <li>P273: Avoid release to the environment.</li> <li>P280: Wear protective gloves.</li> <li>P305 + 351 + 338: IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P332 + 313: If skin irritation occurs: Get medical attention.</li> <li>Label elements under CHIP:</li> <li>Hazard symbols: Irritant.</li> <li>Dangerous for the environment.</li> <li>P305 + 351 + 338: IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Risk phrases: R36/38: Irritating to eyes and skin.</li> <li>R43: May cause sensitisation by skin contact.</li> <li>R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>Safety phrases: S24: Avoid contact with skin.</li> <li>S37: Wear suitable gloves.</li> <li>S61: Avoid release to the environment. Refer to special instructions / safety data sheets.</li> <li>Other hazards</li> </ul>	Hazard statements:	H315: Causes skin irritation.
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		data sheets.
<b>PBT:</b> This substance is not identified as a PBT substance.		
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# Section 3: Composition/information on ingredients

## 3.2. Mixtures

**2.**3.

## 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%

### Section 4: First aid measures

4.1. Description of first aid measures

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Eye Contact:	In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact:	Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms appear.
Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if symptoms persist.
Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. No specific treatment, treat symptomatically.

# Section 5: Fire-fighting measures

Flammability of the Product: Auto-ignition Temperature: Flash Points: Flammable Limits: Products of Combustion: Fire Hazards in Presence	May be combustible at high temperatures Not available > 200ºC Not available These products are carbon oxides (CO, Co2).
of Various Substances:	Slightly flammable to flammable in presence of open flame, sparks and static discharge, of heat.
Explosion Hazards in	
Presence of Various	
Substances:	Non identified
Fire Fighting Media and	
Instructions:	In case of fire, use water spray (fog), foam, dry chemical, or CO <sub>2</sub> .
Special protective	
Equipment for fire-fighters:	Fire-fighters should wear positive pressure self-contained breathing apparatus
	(SCBA) and full turnout gear.
Special Remarks on Fire	
Hazards:	No additional remark.
Special Remarks on	
Explosion Hazards:	No additional remark.

## Section 6: Accidental release measures

Personal precautions:	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment. Follow all firefighting procedures.
Environmental Precautions	
and Clean-up Methods:	Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information. If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

### Section 7: Handling and storage

Handling:
Storage:
Packaging materials
Recommended:

Wash thoroughly after handling. Use suitable protective equipment. Keep container tightly closed. Keep container in a cool, well-ventilated area.

Use original container.

#### Section 8: Exposure controls/personal protection

## Exposure Controls

Occupational exposure	
Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Respiratory protection:	A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate.
Hand protection:	Rubber gloves. Neoprene gloves.
Eye protection:	Safety glasses. Goggles, face shield, or othe full-face protection if potential exists for direct exposure to aerosols or splashes.
Skin protection:	Additional body garments should be used based upon the task being performed (e.g. sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Appropriate techniques should be used to remove potentially contaminated clothing.
Personal protective Equipment (Pictograms):	

Occupational exposure limits:

n/a

# Section 9: Physical and chemical properties

State:	Liquid		
Colour:	Clear transparent		
Odour:	Mild odour		
Viscosity:	Free flowing liquid		
Boiling point/range°C:	>200	Flash point <sup>°</sup> C:	245
Relative density:	$1.1 - 1.15 \text{ g/cm}^3$	pH:	7

### Section 10: Stability and reactivity

Stability and Reactivity:	The product is stable
Conditions of Instability:	Heat and cold below 0°C
Incompatibility with Various Substances:	Reactive with acids, strong bases, oxidising agents.
Hazardous Decomposition	
Products:	These products are carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> )
Hazardous Polymerization:	Will not occur under normal transport or storage conditions.

# Section 11: Toxicological information

### **Potential Acute Health Effects**

Inhalation: Ingestion:	Avoid inhalation, use adequate ventilation. Ingestion may cause gastrointestinal irritation and diarrhoea. There may be soreness and redness of the mouth and throat.
Skin contact:	Irritating to skin. May cause sensitisation by skin contact.
Eye contact:	Irritating to eyes.
Over-exposure signs/symptoms	
Target Organs:	Contains material, which causes damage to the following organs: lung, cardiovascular system, skin, eye, lens or cornea.
Other adverse effects:	None identified.

## Section 12: Ecological information

# **Ecotoxicity Data**

Ingredient Name	Species	Period	Result			
BOD and COD:	Not available.					
Biodegradable/OECD:	Not biodegradable.					
Mobility:	Readily absorbed into soil.					
Products of Degradation:	These products are carbon oxides (CO, CO <sub>2</sub> ) and water, nitrogen oxides (NO, NO <sub>2</sub> ).					
Toxicity of the Products						
of Biodegradation:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The products of biodegradation are less toxic than the original product.					
Special Remarks on the						
Products of Biodegradation:	Not expected t	o bio-accumulate.				
Section 13: Disposal considerations						
Waste Disposal:		<b>e</b> 1	ature hazardous waste incinerator. Dispose local applicable regulations.			

	of according to all federal, state and local applicable regulations.	
Waste Stream:	Not applicable.	
Waste Code No:	070208	
European Waste Catalogue (EWC): Not applicable.		
Consult your local or regional authorities.		

### Section 14: Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID/SABS 0228 Class	Not regulated					
IMDG Class	Not regulated					
IATA-DGR Class	Not regulated					

# Section 15: Regulatory information

Hazard symbol(s):	
Risk phrases:	Irritant 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:	<ul> <li>S24- Avoid contact with skin.</li> <li>S29- Do not empty into drains</li> <li>S37- Wear suitable gloves.</li> <li>S46- If swallowed, seek medical advice immediately and show this container or label.</li> </ul>
Contains:	Reaction product: bisphenol A-(epichlorhydrin) 500-033-5
Section 16: Other information	
Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
Phrases used in s.2 and 3:	<ul> <li>*indicates text in the SDS which has changed since the last revision.</li> <li>H315: Causes skin irritation.</li> <li>H317: May cause an allergic skin reaction.</li> <li>H319: Causes serious eye irritation.</li> <li>H411: Toxic to aquatic life with long lasting effects.</li> <li>R36/38: Irritating to eyes and skin.</li> <li>R43: May cause sensitisation by skin contact.</li> <li>R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> </ul>
Notice to Reader:	To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

