

SAFETY DATA SHEET according to 1907/2006/EC, Article 31

Hardener CAT VM1

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 Revision
 0

 Revision date
 2012-10-01

SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1. Product identifier			
Product name	Hardener CAT VM1		
1.2. Relevant identified uses of	the substance or mixture and uses advised against		
Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC0] Other; [PROC19] Hand-mixing with intimate contact and only PPE available; [ERC4] Industrial use of processing aids in processes and products, not becoming part of articles; [AC13] Plastic articles;		
1.3. Details of the supplier of the	le safety data sheet		
Company	Renishaw plc		
Address	Whitebridge Way, Whitebridge Park, Stone, Staffordshire ST15 8LQ United Kingdom		
Web	www.renishaw.com		
Telephone	+44 (0)1785 815651		
Fax	+44 (0)1785 812115		
Email	msds@renishaw.com		
Email address of the competent person	msds@renishaw.com		
1.4. Emergency telephone num	iber		
Emergency telephone number Company	+44 (0)1785 815651 MSDS Renishaw		
	0800-1700		
SECTION 2: Hazards identit	fication		
2.1. Classification of the substa	ince or mixture		
Main hazards	No Significant Hazard		
2.2. Label elements			
Risk phrases	No Significant Hazard.		
Precautionary Phrases	P15 - Restricted to professional users. P16 - EC Label.		
SECTION 3: Composition/in	SECTION 3: Composition/information on ingredients		
3.2. Mixtures			
67/548/EEC / 1999/45/EC			
Chemical Name	Index No. CAS No. EC No. REACH Registration Conc. Classification Number (%w/w)		
Silicone	80 - 90%		
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3.2. Mixtures	
	Characteristic. Chemical Name. Silicone.
Further information	
No Significant Hazard	The product is classified as non hazardous.
SECTION 4: First aid measu	res
4.1. Description of first aid measured	sures
Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
Ingestion	Seek medical attention if irritation or symptoms persist.
SECTION 5: Firefighting mea	asures
5.1. Extinguishing media	
	Carbon dioxide (CO2). Dry chemical. Foam. Water spray.
5.2. Special hazards arising from	m the substance or mixture
	Do not breathe dust/fume/gas/mist/vapours/spray. Carbon oxides. may be formed in fire conditions.
5.3. Advice for firefighters	
	Wear suitable respiratory equipment when necessary.
SECTION 6: Accidental relea	ase measures
	ective equipment and emergency procedures
	No safety clothing required. No Significant Hazard. Ensure adequate ventilation of the working area.
6.2. Environmental precautions	
	Do not allow runoff water to enter sewers or drains.
6.3. Methods and material for c	ontainment and cleaning up
	Absorb with inert, absorbent material.
SECTION 7: Handling and s	torage
7.1. Precautions for safe handling	ng
	Avoid contact with eyes. Avoid contact with skin. Use only in well-ventilated areas.
7.2. Conditions for safe storage	, including any incompatibilities
Suitable packaging	Keep container tightly closed and dry. Keep container tightly closed in a cool place. Store in original container.
SECTION 8: Exposure contr	ols/personal protection
8.1. Control parameters	
8.1.1. Exposure Limit Values	
Silicone	WEL 8-hr limit ppm: No Limits WEL 8-hr limit mg/m3: No Limits
	Identified Identified WEL 15 min limit ppm: No Limits WEL 15 min limit mg/m3: No Limits



Identified

Identified

8.2. Exposure controls

Eye / face protection	Suitable eye protection.
Skin protection -	Wear suitable gloves.
Handprotection	
Respiratory protection	Not normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
	Yellow
Odour	Odourless
pH	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	- 190 °C
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	- 1 (Water = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive	Not applicable.
Oxidising	No data available
Solubility	- Immiscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic	
compounds)	

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Acids. Alcohols. Alkalis. Amines.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information



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11.1. Information on toxicological effects

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. 15.2. Chemical safety assessment S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of. S45 - In case of accident o if you feel unwell, seek medical advice immediately (show the label where possible). Further information T S C A (T o x i c S u b s t a n c e s C o n t r o I A c t) :. All ingredients are listed. CAA 112. CallProp 65. CWA 311. Massachusetts. Sara 302. Sara 304. Sara 313. None of the ingredients is listed. SECTION 16: Other information	11.1. Information on toxicologic	al effects
Respiratory or skin sensitization No sensitization effects reported. 11.1.4. Toxicological Information No data available SECTION 12: Ecological information Information 12.1. Toxicity No data available SECTION 12: Ecological information No data available 12.2. Persistence and degradability Not readily biodegradable. Further information Do not allow product to enter drains. SECTION 13: Disposal considerations 31.1. Waste treatment methods 31.1. Waste treatment methods Dispose of in compliance with all. local and national regulations. SECTION 14: Transport information Dispose of in compliance with all. local and national regulations. SECTION 14: Transport information ADR/RID MDG The product is not classified as dangerous for carriage. IMDG The product is not classified as dangerous for carriage. SECTION 15: Regulatory information 4000000000000000000000000000000000000	Skin corrosion/irritation	No irritation expected.
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Further information	SECTION 16: Other informa	tion
	Further information	
		The information supplied in this Safety Data Sheet is designed only as guidance for the safe use,
storage and handling of the product. This information is correct to the best of our knowledge and		
belief at the date of publication however no guarantee is made to its accuracy. This information		



relates only to the specific material designated and may not be valid for such material used in

 Revision
 0

 Revision date
 2012-10-01

Further information

combination with any other materials or in any other process.

