



SAFETY DATA SHEET

Based on regulation (EC) No. 1907/2006 (REACH) Article 31 Annex II

J-FIX HAMMER IN CAPSULES

1. Identification of the substance/preparation and the company/undertaking

Identification of the substance/

Hammer Capsules JCAPH

Use of the substance

Installing reinforcing bars and threaded studs in concrete

Company

JCP Construction Products
Unit 07 Princess Court, Horace Rd
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Fax +44 208 546 6019

email jcpenquiries@owlett-jaton.com

Telephone number for emergencies

Tel +44 208 546 6545

2. Hazard identification

Physio-chemical hazards See Section 10 and R-phrases

Human health dangers See R-phrases

Environmental hazards See Section 12

Other hazards None

Hazard Symbols



Irritant

R-Phrases

R10 Flammable

R36/37/38 Irritating to eyes, respiratory system and skin

R43 May cause sensitisation by skin contact

3. Composition/information of ingredients

0,1 - <1%	1,1-(p-Tolylimino)dipropan-2-ol
T, R25-36-52/53 CAS:38668-48-3. EINECS/ELINCS:254-075-1, EU-INDEX:, ECBnr:	
1 - <5%	Dibenzoyl peroxide
E-Xi, R2-36-43 CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX:617-008-00-0, ECBnr:	
1 - <5%	Methacrylic acid
C, R21/22-35 CAS: 79-41-4, EINECS/ELINCS: 201-204-4, EU-INDEX:607-088-00-5	
1 - <5%	N-Methyl-2-pyrrolidone
Xi, R36/38 CAS: 872-50-4, EINECS/ELINCS: 212-828-1, EU-INDEX: 606-021-00-7, ECBnr:	
20 - <30%	Silicon dioxide, quartz
CAS: 14808-60-7, EINECS/ELINCS: 238-878-4, EU-INDEX:, ECBnr	
1 - <12.5%	Styrene
Xn, R10-20-36/38 CAS: 100-42-5, EINECS/ELINCS: 202-851-5, EU-INDEX: 601-026-00-0, ECBnr:	

For complete wording of the R phrases refer to section 16

4. First Aid measures

Inhalation Move patient to fresh air and allow to rest. Seek medical attention if patient is slow to recover or unconscious

Eye contact Irrigate with clean water for at least 15 mins. Seek medical attention

Skin Remove contaminated clothing. Wash with copious amounts of soap and water. If irritation persists, seek medical advice

Ingestion Typically no exposure path. Seek medical advice immediately

Special resources necessary for first aid.

Indications for the physician

Treat symptomatically

First Aiders should protect themselves from exposure (Ref to section 8)



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5. Fire fighting measure

Extinguishing Media	Water spray, Dry powder, CO2, and foam.
Unsuitable Media	Full water jet
Exposure Hazards	In case of fire can develop oxides of Carbon and Toxic pyrolysis products
Fire Fighting Equipment	Wear self contained breathing equipment
Further information	Do not allow water to enter water courses. Dispose of according to local regulations

6. Accidental release measures

Personal precautions	Keep away from all sources of ignition Use personal protective clothing
Environmental precautions	Not applicable
Clean up procedure	Scrape up mechanically Clean up residue with a suitable absorbent material Dispose of material in accordance with local regulations

7. Handling and storage

Advice on safe handling	No special measures are necessary if used correctly Handle with care, avoid shock, friction and impact
Advice on protection against fire and explosion	Keep away from sources of ignition - refrain from smoking
Requirement for storage rooms and vessels	No special measures necessary
Advice on storage compatibility	Not applicable
further information on storage conditions	Protect from heat/overheating Protect from sun Keep in a cool place Do not store at temperatures above 25°C

8. Exposure controls/personal protection

Additional advice on system design	Ensure adequate ventilation at worksite
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Ingredients with occupational exposure limits to be monitored

1 - <5%	Methacrylic acid, 20ppm*, 72mg/m ³ *
20 - <30%	Silicon dioxide, quartz, 0.3mg/m ³ *, General remarks: respirable crystalline 14/3,37,38,51/2,76
1 - <12.5%	Styrene, 100ppm*, 430mg/m ³ *, general remarks: EH64/C26, TR1
1 - <5%	N-Methyl-2-pyrrolidone, 25ppm*, 103mg/m ³ *, General remarks: Sk, 72,80,88,96
1 - <5%	Dibenzoyl peroxide 5mg/m ³ *

*WEL:Workplace exposure limited

Respiratory protection	Breathing apparatus in event of high concentrations Short term: filter apparatus, filter A
Hand protection	Butyl rubber, >120 min (EN374)
Eye protection	Safety glasses
Skin protection	Light protective clothing
General protective measures	Avoid contact with eyes and skin Do not inhale vapours



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8. Continued

Hygiene measure
Do not eat, drink, smoke or take drugs at work
Wash hands before breaks and after finishing work
Use barrier skin cream

Delimitation and monitoring of the environmental exposition
Not determined

9. Physical and chemical properties

Appearance	Capsule
Colour	Not determined
Odour	Characteristic
pH value	Not applicable
pH value [1%]	Not applicable
Boiling Point °C	Not determined
Flash Point °C	33 Resin
Flammability	Not determined
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Oxidising properties	No
Vapour pressure [kPa]	Not determined
Density [g/ml]	Not determined
Density at [°C]	Not determined
Bulk density[kg/m³]	Not applicable
Solubility in water	Not determined
Partition coefficient [n-octanol/water]	Not determined
Viscosity	Not determined
Relative vapour density determined in air	Not determined
Evaporation speed	Not determined
Melting point [°C]	Not determined
Auto ignition temperature [°C]	Not determined
Decomposition temperature	Not determined

10. Stability and reactivity

Hazardous reactions
Polymerisation with evolution of heat
Decomposition with water, acids and alkalis

Hazardous decomposition products
No hazardous decomposition products known

11. Toxicological information

Acute oral toxicity	Not determined
Acute derma toxicity	Not determined
Acute inhalation toxicity	Not determined
Irritant effect on eye	Not determined
Irritant effect on skin	Not determined
Sensitization	Not determined
Sub acute toxicity	Not determined
Chronic toxicity	Not determined
Mutagenicity	Not applicable
Reproduction toxicity	Not determined
Carcinogenicity	Not determined
Experience made in practice	None
General remarks	Toxicological data are not available

The product was classified on the basis of the calculation procedure of the preparation directive



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12. Ecological Information

Fish toxicity	Not determined
Daphnia toxicity	Not determined
Behaviour in environmental compartments	Not determined
Behaviour in sewage plants	Not determined
Bacteria toxicity	Not determined
Biological degradability	Not determined
COD	Not determined
BOD5	Not determined
AOX advice	Not determined
2006/11EC	Not determined
General information	Ecotoxicological data are not available


13. Disposal considerations

Product	Dispose of as hazardous waste Coordinate disposal with local authorities if necessary
Contaminated packaging	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product
Waste no. (recommended)	080411*

14. Transport information

Classification according to ADR	No dangerous goods, according to ADR 2.2.3.1.5 to Max. 450 L (See 5.4.1.5.10)
Classification code	
Label	
ADR limited quantities	
Classification according to IMDG	No dangerous goods, according to ADR 2.3.2.5 to Max 30L
EMS	
Label	
IMDG limited quantities	
Classification according to IATA	UN1866 Resin solution 3 III
Label	

15. Regulatory information

Exposure scenario	Not determined
Chemical safety report	Not determined
Labelling:	The product is classified and labelled in accordance with EC directive
Hazard symbol	 Irritant
Risk Phrases	R10 Flammable R36/3738 Irritating to eyes, respiratory system and skin R43 May cause sensitisation by skin contact.
Safety Phrases	S3/7 Keep container tightly closed in a cool place S36/37 Wear suitable protective clothing and gloves S60 This material and its container must be disposed of as hazardous waste



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Special labelling	Not applicable
Authorisation, TITEL VII	Not applicable
EEC Regulations	1967/548 (2004/73, 29 ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006
Transport regulations	DOT-Classification, ADR (2007); IMDG Code (33 Amdt); IATA-DGR (2008)
National regulations	EH40/2005 Workplace exposure limits with amendments October 2007

16. Other information

These details refer to the product as it is delivered

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 2)

R2	Risk of explosion by shock, friction, fire, or other sources of ignition
R10	Flammable
R20	Harmful by inhalation
R21/22	harmful in contact with skin and if swallowed
R25	Toxic if swallowed
R35	Causes severe burns
R36/38	Irritating to eyes and skin
R43	May cause sensitization by skin contact
R52	Harmful to aquatic organisms
R53	May cause long term adverse effects in the aquatic environment

Observe employment restrictions for people Yes

VOC (1999/13/CE) ca. 20%

Customs Tariff Not determined

The above information has been compiled from that provided by our suppliers and other sources. None of the original information relating to hazards or potential hazards has been omitted and so the absence of a particular reference merely implies either that such information has not been determined or that it is not applicable. Should amendments become necessary, these will be published in future issues. The above information is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determination of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees and customers.