



SAFETY DATA SHEET QUICKMAST 104 HARDENER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME QUICKMAST 104 HARDENER
INTERNAL ID QM104H/5
APPLICATION Two component epoxy based adhesive.
SUPPLIER Don Construction Products Ltd.,
 Churnetside Business Park,
 Station Road,
 Cheddleton,
 Staffordshire ST13 7RS
 For technical and non-emergency call:
 phone: 01538 361799
 For advice on medical emergencies,
 fires, spillages or chemical hazards
 phone: +44(0) 870 190 6777
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2,4-DINONYLPHENOL	205-310-1	137-99-5	1-5%	Xi;R38. R43.
2-PIPERAZIN-1-YLETHYLAMINE	205-411-0	140-31-8	5-10%	C;R34 Xn;R21/22 R43 R52/53
BENZYL ALCOHOL	202-859-9	100-51-6	10-30%	Xn;R20/22
ISOPHORONEDIAMINE	220-666-8	2855-13-2	10-30%	C;R34 Xn;R21/22 R43 R52/53
M-XYLYLENEDIAMINE		1477-55-0	10-30%	Xn;R21/22. C;R34. R43,R52/53.
NONYLPHENOL	246-672-0	25154-52-3	5-10%	Repr. Cat. 3;R62,R63 C;R34 Xn;R22 N;R50/53
SALICYLIC ACID	200-712-3	69-72-7	1-5%	Xn;R20/21/22. Xi;R37/38,R41.

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

Amine curing agent

3 HAZARDS IDENTIFICATION

Causes burns. May cause sensitisation by skin contact. Harmful by inhalation, in contact with skin and if swallowed. Possible risk of impaired fertility. Possible risk of harm to the unborn child. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R20/21/22. Rep 3;R62, R63. C;R34. R43. N;R51/53.

HUMAN HEALTH

The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals. Contains a substance which may impair fertility. Contains a substance which may cause harm to the unborn child.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Get medical attention immediately!

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

QUICKMAST 104 HARDENER**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Extinguish with foam, carbon dioxide or dry powder. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS

Toxic gases/vapours/fumes of Oxides of: Carbon. Nitrogen.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Avoid contact with skin and eyes. Provide adequate ventilation. Use protective gloves, goggles and suitable protective clothing.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Avoid discharge onto the ground. Contain spillages with sand, earth or any suitable absorbent material.

SPILL CLEAN UP METHODS

Absorb with sand or other inert absorbent. Collect spillage in containers, seal securely and deliver for disposal as hazardous waste.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid contact with skin and eyes. Provide good ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product.

STORAGE PRECAUTIONS

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use a respirator suitable for organic vapours. Consult respirator manufacturer for specific advice.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.

EYE PROTECTION

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Wash contaminated clothing before reuse.

PERSONAL PROTECTION

Always check applicability with your supplier of protective equipment.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Mobile Liquid		
COLOUR	Amber		
ODOUR	Amine.		
RELATIVE DENSITY	Approx 1.0 @ 20 degC	pH-VALUE, CONC. SOLUTION	Alkaline
FLASH POINT (°C)	Approx 130		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

QUICKMAST 104 HARDENER**CONDITIONS TO AVOID**

Considerable exothermic reaction can occur when mixed with epoxide resins

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂, NO_x) are formed.

11 TOXICOLOGICAL INFORMATION**INHALATION**

Harmful by inhalation.

INGESTION

May cause chemical burns in mouth, oesophagus and stomach.

SKIN CONTACT

Causes burns. May cause sensitisation by skin contact.

EYE CONTACT

May cause chemical eye burns.

SPECIFIC EFFECTS

Contains a substance with possible risk of harm to the unborn child and with possible risk of impaired fertility.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product should not be allowed to enter drains, sewers or watercourses. Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Small quantities may be treated with an equivalent quantity of product resin, allowed to cure and disposed of as low hazard waste. Larger quantities should be disposed of as hazardous waste via a licensed waste operator. Product containers must not be re-used without commercial cleaning.

WASTE CLASS

Hazardous Waste Codes: Product: 080409* ; Contaminated empty container 150110*

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	POLYAMINES, LIQUID, CORROSIVE, N.O.S (ISOPHORONEDIAMINE, M-XYLYLENEEDIAMINE)		
UN NO. ROAD	2735	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2X
CEFIC TEC(R) NO.	80GC7-II+III	RID CLASS NO.	8
RID PACK GROUP	III	UN NO. SEA	2735
IMDG CLASS	8	IMDG PAGE NO.	8
IMDG PACK GR.	III	EMS	F-A, S-B
MFAG	See Guide	MARINE POLLUTANT	

QUICKMAST 104 HARDENER

UN NO. AIR

2735



AIR CLASS 8 AIR PACK GR. III

15 REGULATORY INFORMATION

LABELLING



Corrosive



Harmful



Dangerous for the environment

CONTAINS

2,4-DINONYLPHENOL
 2-PIPERAZIN-1-YLETHYLAMINE
 BENZYL ALCOHOL
 ISOPHORONEDIAMINE
 M-XYLYLENE DIAMINE
 NONYLPHENOL

RISK PHRASES

R34 Causes burns.
 R43 May cause sensitisation by skin contact.
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R62 Possible risk of impaired fertility.
 R63 Possible risk of harm to the unborn child.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 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 label where possible).
 S51 Use only in well-ventilated areas.
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
 S28B After contact with skin, wash immediately with plenty of soap and water.

16 OTHER INFORMATION

GENERAL INFORMATION

Don Construction Products Ltd. Technical Datasheet.

REVISION COMMENTS

Section 1: Addition of emergency telephone number. Section 8 : Improved PPE information. Section 13: Addition of waste codes. Section 12 update.

REVISION DATE 03/05/06

REV. NO./REPL. SDS GENERATED 5

QUICKMAST 104 HARDENER

RISK PHRASES IN FULL

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20/22	Harmful by inhalation and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50/53	Very 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.
R63	Possible risk of harm to the unborn child.