



SAFETY DATA SHEET STRONGCOAT HB HARDENER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME STRONGCOAT HB HARDENER
 INTERNAL ID HBHC/3
 APPLICATION Component of epoxy coating system
 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
 Fax: 01538 361899
 E-Mail: info@donconstruction.co.uk

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2,4-DINONYLPHENOL	205-310-1	137-99-5	5-10%	Xi;R38. R43.
BENZYL ALCOHOL	202-859-9	100-51-6	30-50%	Xn;R20/22
ISOPHORONEDIAMINE	220-666-8	2855-13-2	30-50%	C;R34 Xn;R21/22 R43 R52/53
M-XYLYLENE DIAMINE		1477-55-0	10-30%	Xn;R21/22. C;R34. R43,R52/53.
SALICYLIC ACID	200-712-3	69-72-7	5-10%	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. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R20/21/22. C;R34. R43. R52/53.

HUMAN HEALTH

The product contains a sensitising substance which may provoke an allergic reaction among sensitive individuals.

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.

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.

STRONGCOAT HB HARDENER**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	Yellow		
ODOUR	Amine.		
RELATIVE DENSITY	1.040 approx @ 20 degC	VISCOSITY	200 Approx mPas @ 20 degC
FLASH POINT (°C)	>100		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Considerable exothermic reaction can occur when mixed with epoxide resins

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances.

STRONGCOAT HB HARDENER

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.

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: 080111* ; Contaminated empty container 150110*

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	POLYAMINES, LIQUID, CORROSIVE, N.O.S (ISOPHORONEDIAMINE, M-XYLYLENE DIAMINE)		
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	3X
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	



UN NO. AIR	2735	AIR CLASS	8
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING

STRONGCOAT HB HARDENER



Corrosive



Harmful

CONTAINS

2,4-DINONYLPHENOL
 BENZYL ALCOHOL
 ISOPHORONEDIAMINE
 M-XYLYLENEDIAMINE

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.
R52/53	Harmful 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.
S28B	After contact with skin, wash immediately with plenty of soap and water.
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.

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 3: update. Section 12 update.

REVISION DATE 14.03.06

REV. NO./REPL. SDS GENERATED 3

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