



**SAFETY DATA SHEET
CHOCKFAST RED HARDENER**

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME CHOCKFAST RED HARDENER
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 SHANNON INDUSTRIAL ESTATE
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2 HAZARDS IDENTIFICATION

Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) C;R34. R43. R52/53.

ENVIRONMENT

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

HUMAN HEALTH

The liquid is strongly irritating to eyes and skin.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
3,6,9-TRIAZUNDECAMETHYLENEDIAMINE	203-986-2	112-57-2	10-30%	Xn;R21/22. C;R34. N;R51/53. R43.

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

Do not breathe vapour/spray. Avoid contact with eyes. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

INHALATION

Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Contact physician if discomfort continues.

INGESTION

Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention.

SKIN CONTACT

Remove affected person from source of contamination. Wash skin thoroughly with soap and water for several minutes. Contact physician if irritation persists.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Water spray, carbon dioxide, dry powder or polar resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES

Keep up-wind to avoid fumes.

SPECIFIC HAZARDS

Avoid breathing fire vapours. In case of fire, toxic gases may be formed.

CHOCKFAST RED HARDENER

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. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Do not breathe vapour. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Store separated from: Acids.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use protective gloves. Neoprene gloves are recommended. PVC gloves are recommended. Butyl rubber gloves are recommended. Nitrile gloves are recommended.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving work place.

SKIN PROTECTION

Wear apron or protective clothing in case of contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Amber		
ODOUR	Ammonia		
SOLUBILITY	Miscible with water		
BOILING POINT (°C)	>200	RELATIVE DENSITY	0.95 20 °C
VAPOUR PRESSURE	3.60mmHg	FLASH POINT (°C)	>110

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CHOCKFAST RED HARDENER

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Avoid contact with oxidising agents. Nitrous acid and other nitrosating agents. Acids - organic.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Nitrous gases (NOx). Oxides of: Carbon monoxide (CO). Carbon dioxide (CO2). Vapours/gases/fumes of: Ammonia or amines.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 >2, 000 mg/kg (oral rat)

SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact.

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

Irritating to skin. Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Avoid releasing to the environment. The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

MOBILITY

Do not discharge into drains, water courses or onto the ground.

WATER HAZARD CLASSIFICATION

WGK 2

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

WASTE CLASS

08 04 99

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

ADR CLASS

Not classified for transportation.

15 REGULATORY INFORMATION

LABELLING



Irritant

CONTAINS

3,6,9-TRIAZUNDECAMETHYLENEDIAMINE

RISK PHRASES

R34	Causes burns.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16 OTHER INFORMATION

REVISION DATE 19/08/2010

REV. NO./REPL. SDS GENERATED 7

CHOCKFAST RED HARDENER

DATE 26.01.2005

RISK PHRASES IN FULL

R34	Causes burns.
R21/22	Harmful in contact with skin and if swallowed.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.