

REVISION DATE: 19th June 2008



SAFETY DATA SHEET

Ancamine 1638 Curing Agent

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

PRODUCT NAME Ancamine 1638 Curing Agent
 APPLICATION Curing Agent
 SUPPLIER Univar
 46 Peckover Street
 BRADFORD
 West Yorkshire
 BD1 5BD
 +44 1274 377000
 +44 1274 377001
 sds@univareurope.com

SDS No. AU083
 Emergency Contact Number (Office Hours) +441274 377070

2 HAZARDS IDENTIFICATION

Causes burns. May cause sensitisation by skin contact. Harmful in contact with skin and if swallowed. Possible risk of impaired fertility.

CLASSIFICATION Xn;R21/22. Rep 3;R62. C;R34. R43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
4,4'-ISOPROPYLIDENEDIPHENOL	201-245-8	80-05-7	25-50%	Repr. Cat. 3;R62 R43 Xi;R37,R41
DIETHYLENETRIAMINE	203-865-4	111-40-0	50-100%	C;R34 Xn;R21/22 R43

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

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.

SKIN CONTACT

Immediately remove contaminated clothing. Rinse the skin immediately with lots of water. Continue to rinse for at least 15 minutes and seek medical attention.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control.

REVISION DATE: 19th June 2008

Ancamine 1638 Curing Agent

SPECIFIC HAZARDS

By heating and fire, toxic vapours/gases may be formed. Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO₂).

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

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

ENVIRONMENTAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Avoid: Inorganic nitrites.

STORAGE PRECAUTIONS

Keep containers tightly closed. Store in tightly closed original container in a dry, cool and well-ventilated place. Store separated from: Acids. Use storage tank made of: Stainless steel.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
DIETHYLENETRIAMINE	WEL	1 ppm(Sk)	4.3 mg/m ³ (Sk)		

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station and safety shower.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Neoprene. Butyl rubber. or Nitrile.

EYE PROTECTION

Wear goggles/face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact. Wear rubber apron. Wear rubber footwear.

HYGIENE MEASURES

Promptly remove any clothing that becomes contaminated. Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Amber
ODOUR	Ammonia

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BOILING POINT (°C)	>200	RELATIVE DENSITY	1.03
VAPOUR PRESSURE	<0.10 mm Hg @ 21°C	pH-VALUE, CONC. SOLUTION	alkaline
FLASH POINT (°C)	102.78	SOLUBILITY VALUE (g/100g H ₂ O@20°C)	0.14g/l

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

Chemically active metals. Strong oxidising substances. Acids - organic. Strong mineral acids. Inorganic nitrites.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO₂). Nitric acid (HNO₃). Nitrous gases (NO_x). Aldehydes.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 1, 080 mg/kg (oral rat)

INHALATION

May cause irritation to the respiratory system. Causes burns.

INGESTION

Harmful if swallowed. May cause chemical burns in mouth, oesophagus and stomach.

SKIN CONTACT

Harmful in contact with skin. Causes burns. May cause nausea, headache, dizziness and intoxication. May cause sensitisation by skin contact.

EYE CONTACT

Causes burns. Irritation, burning, lachrymation, blurred vision after liquid splash. Vapour or spray may cause eye damage, impaired sight or blindness.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

No data on possible environmental effects have been found.

MOBILITY

The product is insoluble in water.

WATER HAZARD CLASSIFICATION

WGK 2

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

UK ROAD CLASS

8

PROPER SHIPPING NAME

AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylenetriamine (DETA))

UN NO. ROAD

2735

UK ROAD PACK GR.

III

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Ancamine 1638 Curing Agent

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 PACK GR.	III
EMS	F-A, S-B	MARINE POLLUTANT	No.
UN NO. AIR	2735	AIR CLASS	8
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS

4,4'-ISOPROPYLIDENEDIPHENOL
DIETHYLENETRIAMINE

RISK PHRASES

R34 Causes burns.
R43 May cause sensitisation by skin contact.
R21/22 Harmful in contact with skin and if swallowed.
R62 Possible risk of impaired fertility.

SAFETY PHRASES

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).

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations
Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

ISSUED BY

Univar Ltd

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REV. NO./REPL. SDS GENERATED 02

SDS NO. AU083

SAFETY DATA SHEET STATUS

Approved.

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SIGNATURE Gillian Sutton

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RISK PHRASES IN FULL

R21/22	Harmful in contact with skin and if swallowed.
R34	Causes burns.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R62	Possible risk of impaired fertility.