

SAFETY DATA SHEET

KORROBOND 65 COMPONENT B

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME KORROBOND 65 COMPONENT B
PRODUCT NO. KORRO65B
SUPPLIER ITW Korroflex
 Bay 150, Shannon Industrial Estate
 Shannon, Co Clare, Ireland
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 Business Hours: 8:00am - 5:00pm

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-PIPERAZIN-1-YLETHYLAMINE	205-411-0	140-31-8	60-100%	C;R34 Xn;R21/22 R43 R52/53
TRIETHYLENETETRAMINE	203-950-6	112-24-3	10-30%	C;R34 Xn;R21 R43 R52/53

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

3 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xn;R21/22. C;R34. R43. R52/53.

HUMAN HEALTH

Corrosive to skin and eyes.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Avoid inhalation of vapours and contact with skin and 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. Contact physician if discomfort continues.

INGESTION

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

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. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS

Avoid breathing fire vapours.

PROTECTIVE MEASURES IN FIRE

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

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use naked flames or other sources of ignition. Avoid contact with skin and eyes. Do not breathe vapour/spray.

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

Use only in well-ventilated areas. Provide good ventilation. Avoid spilling, skin and eye contact. Avoid inhalation of vapours. Keep away from heat, sparks and open flame. Avoid eating, drinking and smoking when using the product. Do not use in confined spaces without adequate ventilation and/or respirator. Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

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 made of: Rubber or plastic.

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 Black

ODOUR Ammonia

SOLUBILITY Miscible with water.

BOILING POINT (°C) >200

RELATIVE DENSITY 0.98 20 °C

pH-VALUE, CONC. SOLUTION 12 @ 20 °C

AUTO IGNITION TEMPERATURE (°C) >150

MELTING POINT (°C)

VAPOUR PRESSURE

FLASH POINT (°C)

-18

0.07 mmHg 20

>100

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10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

MATERIALS TO AVOID

Avoid contact with oxidising agents. Nitrous acid and other nitrosating agents.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 1470-2140 mg/kg (oral rat)

INGESTION

Harmful if swallowed. Corrosive. Even small amounts may cause serious damage.

SKIN CONTACT

Causes burns. Corrosive. Prolonged contact causes serious tissue damage. Harmful in contact with skin. May cause sensitisation by skin contact.

EYE CONTACT

Causes burns. Risk of corneal damage. Risk of serious damage to eyes.

HEALTH WARNINGS

This substance is corrosive. This chemical may cause skin/eye irritation and burns (corrosive).

ROUTE OF ENTRY

Inhalation. Skin absorption. Ingestion.

TARGET ORGANS

Liver. Kidneys. Respiratory system, lungs. Central nervous system.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Avoid release 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 allow ANY environmental contamination. Do not discharge into drains, water courses or onto the ground.

WATER HAZARD CLASSIFICATION

WGK 2

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS

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

WASTE CLASS

08 04 99

14 TRANSPORT INFORMATION



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UK ROAD CLASS	8		
PROPER SHIPPING NAME	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (2-PIPERAZIN-1-YLETHYLAMINE, TRIETHYLENETETRAMINE)		
UN NO. ROAD	2735	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	3X
CEPIC TEC(R) NO.	80GC7-II+III	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	2735
IMDG CLASS	8	IMDG PAGE NO.	8
IMDG PACK GR.	II	EMS	F-A, S-B
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	2735	ICAO CLASS	8
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS

2-PIPERAZIN-1-YLETHYLAMINE
TRIETHYLENETETRAMINE

RISK PHRASES

R34	Causes burns.
R43	May cause sensitisation by skin contact.
R21/22	Harmful 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

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

REVISION DATE 14/07/2005
REV. NO./REPL. SDS GENERATED 9
DATE 16.03.2005

RISK PHRASES IN FULL

R21	Harmful in contact with skin.
R21/22	Harmful in contact with skin and if swallowed.
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.

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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.