



SAFETY DATASHEET EP 320 Part B

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

PRODUCT NAME EP 320 Part B

SUPPLIER **ARDEX ENDURA (INDIA) PRIVATE LIMITED**
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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. Harmful by inhalation and if swallowed.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BENZYL ALCOHOL	202-859-9	100-51-6	30-60%	Xn;R20/22
ISOPHORONEDIAMINE	220-666-8	2855-13-2	10-30%	C;R34 Xn;R21/22 R43 R52/53
m-PHENYLENEBIS(METHYLAMINE)	216-032-5	1477-55-0	10-30%	Xn;R20/22. C;R34. R43,R52/53.
SALICYLIC ACID	200-712-3	69-72-7	10-30%	Xn;R22. Xi;R41.

4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

SPECIFIC HAZARDS

By fire, toxic gases may be formed (COx, Nox).

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. Provide adequate ventilation.

EP 320 PART B**ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter drains, sewers or watercourses. Avoid discharge onto the ground.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not let washing down water contaminate ponds or waterways.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS Provide good ventilation.

STORAGE PRECAUTIONS

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

STORAGE CLASS Chemical storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

PROCESS CONDITIONS Provide eyewash station.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Use chemical cartridge protection with appropriate cartridge.

HAND PROTECTION

Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Barrier cream Applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

EYE PROTECTION

Wear tight-fitting goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Yellowish		
ODOUR	Amine		
SOLUBILITY	Immiscible with water.		
BOILING POINT (C)	>200 760 mm Hg	RELATIVE DENSITY	1.02 20
VAPOUR PRESSURE	0.1 mbar 20	VISCOSITY	200 mPas 20
FLASH POINT (C)	>100 CC (Closed cup).	AUTO IGNITION TEMPERATURE (C)	380
FLAMMABILITY LIMIT LOWER(%)	1.2	FLAMMABILITY LIMIT - UPPER(%)	13.0
VOLATILE ORGANIC COMPOUND (VOC)	0		

10. STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with strong oxidisers.

HAZARDOUS POLYMERISATION Will not polymerise.

MATERIALS TO AVOID

Strong oxidising substances. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO₂, NO_x) may be formed.

EP 320 PART B**11. TOXICOLOGICAL INFORMATION****INHALATION**

Harmful by inhalation. May cause sensitisation by inhalation. May cause respiratory allergy.

INGESTION

Harmful if swallowed. May cause chemical burns in mouth and throat.

SKIN CONTACT

Causes burns. May cause allergic contact eczema. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause Sensitisation by skin contact.

EYE CONTACT

Causes burns. Extreme irritation of eyes and mucous membranes, including burning and tearing.

12. ECOLOGICAL INFORMATION**ECOTOXICITY**

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

WATER HAZARD CLASSIFICATION

WGK 2

13. DISPOSAL CONSIDERATIONS**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. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (ISOPHORONEDIAMINE, m-PHENYLENEBIS(METHYLAMINE))

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

CEFC 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



Harmful

CONTAINS

BENZYL ALCOHOL
ISOPHORONEDIAMINE
M-PHENYLENEBIS(METHYLAMINE)
SALICYLIC ACID

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.
R20/22 Harmful by inhalation and if swallowed.

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).
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S28 After contact with skin, wash immediately with plenty of water.

EP 320 PART B

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

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

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH 40.

16. OTHER INFORMATION

TRAINING ADVICE

The details of this data sheet must be passed on to all personnel handling the product.

RISK PHRASES IN FULL

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.
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.

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.