



## SAFETY DATA SHEET R 41 CE Part A

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

PRODUCT NAME R 41 CE Part A

SUPPLIER **ARDEX ENDURA (INDIA) PRIVATE LIMITED**  
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### 2. HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation and in contact with skin. May cause sensitisation by skin contact

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION  
Epoxy resin, xylene, 1-methoxy-2-propanol, diisobutyl ketone, inert fillers, pigment.

### 4. FIRST-AID MEASURES

INHALATION  
Remove from exposure, rest and keep warm and obtain medical attention urgently.

INGESTION  
Obtain medical attention. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

SKIN CONTACT  
Wash immediately with soap and water or suitable skin cleanser. Obtain medical advice if skin disorders develop.

EYE CONTACT  
Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

### 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA  
Carbon dioxide, powder, foam or water fog - Do not use water jets.

SPECIAL EXPOSURE HAZARDS  
Toxic fumes. For further information see Section 10.

SPECIAL PROTECTIVE EQUIPMENT  
Self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS  
Immediately issue NO SMOKING and NO NAKED FLAMES warnings. Wear suitable protective clothing, gloves and eye/face protection.

ENVIRONMENTAL PRECAUTIONS  
Prevent entry into drains, sewers and water courses.

DECONTAMINATION PROCEDURES  
Soak up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as waste.

**R 41 CE Part A****7. HANDLING AND STORAGE****USAGE PRECAUTIONS**

Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**STORAGE PRECAUTIONS**

Store in conformity with local fire regulations. Store away from sources of ignition. Store in a cool place away from sources of heat and out of direct sunlight to avoid pressure build up.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT****PROCESS CONDITIONS**

Provide eyewash station.

**ENGINEERING MEASURES**

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

**HAND PROTECTION**

Use protective gloves made of: Nitrile. Viton rubber (fluor rubber). 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**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Colour	Pigmented
Odour	Aromatic
pH (concentration)	Not applicable
Boiling Point/Range (°C)	135 - 150 Deg. C
Flash Point (closed, °C)	23
Autoflammability (°C)	Autoignition temperature: ~300
Explosive Properties (%) Lower explosive limit (LEL)	1.0%. Upper explosive limit (UEL): 11.5%.
Water Solubility	Insoluble
Vapour Pressure	~0.8 kPa at 20 deg C

**10. STABILITY AND REACTIVITY****STABILITY**

Contains volatile solvent. Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.

**CONDITIONS TO AVOID**

Any source of ignition.

**R 41 CE Part A****MATERIALS TO AVOID**

Strong acids, strong alkalis. Strong oxidising agents

**HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition:- Oxides of carbon. Toxic fumes.

**11. TOXICOLOGICAL INFORMATION****INHALATION**

Harmful by inhalation. Vapours may cause headaches, dizziness and central nervous system depression. High concentrations of vapour can cause narcosis and asphyxiation.

**INGESTION**

May cause irritation of mouth, throat and digestive tract. Aspiration of liquid during ingestion or from vomiting may cause severe chemical pneumonitis.

**SKIN CONTACT**

Irritation. May cause sensitisation. Harmful by absorption through the skin. May defat the skin.

**EYE CONTACT**

Irritating and may injure eye tissue if not removed promptly. Vapour may cause Irritation.

**CHRONIC**

Repeated and prolonged skin contact may lead to skin disorders.

**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL ASSESSMENT**

Contains volatile organic compounds.

**MOBILITY**

Mobile liquid. Contains volatile components. Insoluble in water.

**PERSISTENCE AND DEGRADABILITY**

Not readily biodegradable

**ECOTOXICITY**

Ecotoxic to fish/daphnia/algae.

**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

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

**14. TRANSPORT INFORMATION**

UN Number : 1263

IMO: Class : Packing Group: Marine Pollutant: 3.3 III No

IATA/ICAO : Class: Packing Group: 3 III

ADR: Class : Item: 3 31(c)

Transport Name : Paint Related Material

**15. REGULATORY INFORMATION****HAZARD LABEL DATA****HARMFUL****NAMED INGREDIENTS**

epoxy resin (number average molecular weight &lt;700). Xylene mixture of isomers)

UN Number : 1263

Symbol(s) : Xn

**RISK PHRASES**

Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. May cause sensitisation by skin contact.

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SAFETY PHRASES

Keep away from sources of ignition - No smoking.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. Use only in well ventilated areas. Contains epoxy constituents. See information supplied by the manufacturer.

16. OTHER INFORMATION

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

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.