

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO

CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1

Page 1 of 10

1. IDENTIFICATION:

Product Name: CONCRECOR E 250 ENDURECEDOR

Supplier's Details: Concrecor Revestimentos Industriais Ltda.

Rua Romualdo Davóli, 370, anexo 390 – Cond. Industrial Eldorado - Jd Vale do Sol

CEP: 12.238-577 - São José dos Campos - SP

e-mail: concrecor@concrecor.com.br

Phone: +55 (12) 3929-7960

Emergency Telephone number: +55 (12) 3929-7960

2. HAZARDS IDENTIFICATION:

Classification of the substance or mixture:

SKIN CORROSION/IRRITATION - Category 1B

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

SKIN SENSITISATION - Category 1

LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

GHS Label Elements: Hazards Pictograms



Signal word: Warning

Hazards Statement:

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H361 - Suspected of damaging the unborn child.

Precautionary Statements (General Prevention):

P102 – Keep out of reach of children.

P201 - Obtain special instructions before use.

P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection.

P261 - Avoid breathing vapour.

P270 - Do not eat, drink or smoke when using this product.

Precautionary Statements (Response):

P308 + P313 - IF exposed or concerned: Get medical advice or attention.

P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor.

P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO
CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1
Page 2 of 10

P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.

P363 - Wash contaminated clothing before reuse.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.

P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage Disposal:

P405 - Store locked up.

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification:

None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Substance: Mixture

Chemical Name: not available.

Other means of identification: not available

Hazards Ingredients:

Substance	Nº CAS	Concentration %	Risc Classification
ENDURECEDOR			
cycloaliphatic amine	2855-13-2	15 – 40	ND
benzyl alcohol	100-51-6	15 – 30	

4. FIRST AID MEASURES:**Description of necessary first aid measures:**

Eye Contact: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1

Page 3 of 10

in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin Contact: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Most important symptoms/effects, acute and delayed - Potential acute health effects:

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Over-exposure signs/symptoms:

Eye Contact: Adverse symptoms may include the following: pain, watering, redness.

Inhalation: Adverse symptoms may include the following: reduced foetal weight, increase in foetal deaths, skeletal malformations.

Skin Contact: Adverse symptoms may include the following: pain or irritation, redness, blistering may occur, reduced foetal weight, increase in foetal deaths, skeletal malformations.

Ingestion: Adverse symptoms may include the following: stomach pains, reduced foetal weight, increase in foetal deaths, skeletal malformations.

Indication of immediate medical attention and special treatment needed, if necessary:

Notes to Physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific Treatments: No specific treatment.

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1
Page 4 of 10

5. FIREFIGHTING MEASURES:

Extinguishing media:

Suitable extinguishing media: Recommended: alcohol-resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media: Do not use water jet.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermak decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides.

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures:

For non-emergency personal: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Reference to Other:

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO

CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1
Page 5 of 10

7. HANDLING AND STORAGE:

Precautions for safe handling:

Protective measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Control parameters:

Occupational exposure limits: None.

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures:

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and Safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying to EN 166 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO

CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1
Page 6 of 10

dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection:

Hand protection: There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/Chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Wear suitable gloves tested to EN374.

Recommended, gloves(breakthrough time) > 8 hours: neoprene, PVC, nitrile rubber, butyl rubber.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: If workers are exposed to concentrations above the exposure limit, they must use a respirator according to EN 140. By spraying : particulate filter (FFP2 / N95). In confined spaces, use compressed-air or fresh-air respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid

Colour: Colourless

Odour: Characteristic

pH: NA

Melting point: NA

Boiling point: Lowest known value: 205.3°C / Weighted average: 229.49°C

Flash point: closed cup - 100°C

Evaporation rate: NA

Flamability (solid, gas): NA

Lower and Upper explosive limits: NA

Vapour pressure: Highest known value: 0.007 kPa (0.05 mm Hg) (at 20°C) / Weighted average: 0.005 kPa (0.04 mm Hg) (at 20°C).

Vapour density: Highest known value: 3.7 (Air = 1)

Density: 1,02 g/ml

Solubility: Insoluble in the following materials: cold water and hot water.

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO

CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1

Page 7 of 10

Partition coeficiente: n-octanol / water: NA

Auto-ignition temperature: Lowest known value: 380°C (716°F) (3-aminomethyl-3,5,5-trimethylcyclohexylamine).

Decomposition temperature: NA

Vicosity: Kinematic (40°C): >20.5 mm²/s

10. STABILITY AND REACTIVITY:

Product Stability: The product is stable.

Reactivity: ND

Possibility of hazards reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: When exposed to high temperatures may produce hazardous decomposition products.

Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

Hazardous decomposition products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects:

Acute toxicity: ETAm (oral): 829,9 mg/kg

ETAm (dermic): 1358,7 mg/kg

ETAm (inhalation, 4h): 5,4 mg/kg

Eyes: Causes serious eye damage with burning, tearing, pain and the possibility of irreversible damage.

Skin: It causes severe burns to the skin with blistering, pain and peeling.

Substance that can cause:

Interaction: ND

Additive effects: ND

Potencialization: ND

Sinergy: ND

Reproductive Toxicity: ND

Sensibilization: It can cause allergic skin reactions with dermatitis and itching.

Mutagenicity: In vitro, tests showed mutagenic effects on bacteriological cultures.

Neurotoxicity: ND

Carcinogenicity: ND

Teratogenicity: ND

Specific target organ toxicity (single exposure): ND

Aspiration hazard: ND

Potential acute health effects:

Eye contact: Causes serious eye damage.

Inhalation: No known significant effects or critical hazards.

Concrecor Revestimentos Industriais Ltda

CNPJ. 10.553.590/0001-33 - IE. 645.546.550.112

Rua Romualdo Davóli, 370 – Jd. Vale do Sol -Cep. 12.238-577 – São José dos Campos - SP

Fone: (12) 3929-7477 e-mail: concrecor@concrecor.com.br - site: www.concrecor.com.br

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO

CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1

Page 8 of 10

Skin contact: Causes severe burns. May cause an allergic skin reaction.

Ingestion: Harmful if swallowed.

12. ECOLOGICAL INFORMATION:

Environmental effects, behaviors and impacts of the product: Low mobility, due to low solubility in water.

Persistence/degradability: ND

Ambiental impact: ND

Ecotoxicity: Toxic to aquatic organisms, with prolonged effects.

Biodegradability: Product not easily biodegradable.

Bioaccumulative Potential: Not bioaccumulative.

Soil mobility: ND

Other adverse effects: ND

13. DISPOSAL CONSIDERATIONS:

The information in this section contains generic advice and guidance. The list of Identified uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Waste treatment methods:

Product:

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Packaging:

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

14. TRANSPORT INFORMATION:

RTPP – Res 420/04 ANTT/IMDG/IATA

COMPONENT B: HARDNER

Proper shipping name: AMINES, CORROSIVE, LIQUID, N.E., SOLUTION

ONU: 2289

Risc Class: 8

Risc number: 80

Packing group: III

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1
Page 9 of 10

This product is not regulated as a dangerous good. When transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

Additional information:

ADR / RID:

Hazard identification number 80

Special provisions 274

Tunnel code (E) Hazard identification number 90

Tunnel code (-)

IMDG:

Emergency schedules F-A, S-B

Segregation Group: 18 - Alkalis

Special precaution for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION:

Safety, health and environmental regulations specific for the product: No known specific national and/or regional regulations applicable to this product (including its ingredients).

International regulations

Montreal Protocol: Not listed.

Stockholm Convention on Persistent Organic Pollutants: Not listed.

Chemical Weapon Convention List Schedules I, II & III Chemicals: Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals: Not listed.

16. OTHER INFORMATION:

Key to abbreviations:

ATE = Acute Toxicity Estimate

GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = GB CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

Concrecor Revestimentos Industriais Ltda

CNPJ. 10.553.590/0001-33 - IE. 645.546.550.112

Rua Romualdo Davóli, 370 – Jd. Vale do Sol -Cep. 12.238-577 – São José dos Campos - SP
Fone: (12) 3929-7477 e-mail: concrecor@concrecor.com.br - site: www.concrecor.com.br

FICHA DE INFORMAÇÃO DE SEGURANÇA DE PRODUTO QUÍMICO
CONCRECOR E 250 ENDURECEDOR

Date: 15.10.2024

Version: 2.1

Page **10** of **10**

RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Notice to reader:

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.