


B Component, EW 2400 Coating**Safety Data Sheet**

according to Regulation (EC) No 453/2010

Publication date: 09/09/2022

Revision date: // Version: 1.0

| SECTION 1: Identification of the substance/mixture | | | | |
|--|---|--|---|------------------|
| 1.1 | Product identification Product form: Mixtures Product code: Dutch Resin Component, B EW 2400 Coating Product group: EP Flooring | | | |
| 1.2 | Relevant identified use Main usage category Industrial/Professional use spec. Use of the substance or mixture Forms of use that are advised against | : | Industrial use For professional use only Flooring hardener No additional information available | |
| 1.3 | Dutch Resin Group P.O. Box 1074 7301 BH Apeldoorn T +31 55 312 44 65 info@dutchresin.nl | | Visiting address Gladsaxe 19 Apeldoorn | |
| 1.4 | Emergency number: T +31 55 312 44 65 This number is only available during office hours. | | | |
| | Land | Official advisory body | Address | Emergency number |
| | NETHERLANDS | National Poisons Information Center. University Medical Center Utrecht, The National Poisons Information Center (NVIC) informs doctors, veterinarians, pharmacists, and other healthcare professionals about the possible health effects and treatment options for poisonings. The NVIC is available for this purpose day and night, both by telephone and via the internet. | P.O. Box 85500 3508 GA Utrecht | +31 30 274 88 88 |
| SECTION 2: Identification of hazards | | | | |
| 2.1 | Classification of the substance or mixture | | | |
| | Classification in accordance with Regulation (EC) No 1272/2008 [CLP] Serious eye injury category 1 H318 Causes serious eye injury Full text of the H-phrases: see section 16 Adverse physicochemical, health and environmental effects: No additional information available | | | |
| 2.2 | Adverse physico-chemical, health and environmental effects | | | |
| | No additional information available Labelling in accordance with Regulation (EC) No 1272/2008 [CLP] Classification in accordance with Regulation (EC) No 1272/2008 [CLP] Unclassified Hazard pictograms (CLP): GHS08 | | | |
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| | <p>Signal word (CLP): Danger</p> <p>Hazardous ingredients: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, reaction products with ethylenediamine, epichlorohydrin-polyethylene glycol polymer, cresol glycidyl ether and 1,4-bis(methylol)cyclohexanediglycidyl ether; Propionic acid</p> <p>Hazard statements (CLP): H318 - Causes serious eye damage</p> <p>Safety recommendations (CLP): P280 - Wear eye protection/face protection P305 + P351 + P338 + P310 - UPON CONTACT WITH THE EYES: Rinse carefully with water for several minutes; remove contact lenses, if possible; continue rinsing. Immediately consult a POISON CENTER/doctor.</p> | | | | | | | | | | | | |
|---|--|-------|--|---|--|---|----------------------|-------|------------------|----------------|-------------------|-----|--------------------|
| 2.3 | Other dangers | | | | | | | | | | | | |
| | This substance/mixture does not contain components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. | | | | | | | | | | | | |
| SECTION 3: Composition and information on ingredients | | | | | | | | | | | | | |
| 3.1 | Dust | | | | | | | | | | | | |
| | Not applicable | | | | | | | | | | | | |
| 3.2 | Mixture of hazardous and non-hazardous substances | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>name</th> <th>Product identification</th> <th>%</th> <th>Classification in accordance with Regulation (EC) No 1272/2008 [CLP]</th> </tr> </thead> <tbody> <tr> <td>Phenol, 4,4'-(1-methylethylidene)bis-, polymer with, (chloromethyl)oxirane, reaction products with ethylenediamine,, epichlorohydrin-polyethylene glycol polymer, cresol glycidyl ether and, 1,4-bis(methylol)cyclohexanediglycidyl ether</td> <td>Not assigned Polymer</td> <td>10-20</td> <td>Eye Dam. 1; H318</td> </tr> <tr> <td>Propionic acid</td> <td>(CAS No.) 79-09-4</td> <td>1-2</td> <td>Flam. Liq. 3; H226</td> </tr> </tbody> </table> | name | Product identification | % | Classification in accordance with Regulation (EC) No 1272/2008 [CLP] | Phenol, 4,4'-(1-methylethylidene)bis-, polymer with, (chloromethyl)oxirane, reaction products with ethylenediamine,, epichlorohydrin-polyethylene glycol polymer, cresol glycidyl ether and, 1,4-bis(methylol)cyclohexanediglycidyl ether | Not assigned Polymer | 10-20 | Eye Dam. 1; H318 | Propionic acid | (CAS No.) 79-09-4 | 1-2 | Flam. Liq. 3; H226 |
| name | Product identification | % | Classification in accordance with Regulation (EC) No 1272/2008 [CLP] | | | | | | | | | | |
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| Propionic acid | (CAS No.) 79-09-4 | 1-2 | Flam. Liq. 3; H226 | | | | | | | | | | |
| | Full content of the R, H and EUH phrases: see section 16 | | | | | | | | | | | | |
| SECTION 4: First aid measures | | | | | | | | | | | | | |
| 4.1 | Description of the first aid measures | | | | | | | | | | | | |
| | <p>General First Aid: Never administer anything by mouth to an unconscious person. If feeling unwell, consult a doctor (show them this label if possible).</p> <p>First aid after inhalation: Allow to breathe fresh air. Let the victim rest.</p> <p>First aid after contact with skin: Remove contaminated clothing, wash the skin with copious amounts of water or shower (for 15 minutes), and consult a doctor if necessary.</p> <p>First aid after contact with eyes: Rinse immediately and thoroughly with water. Medical</p> | | | | | | | | | | | | |

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| | | Seek help if pain or redness persists. First aid after ingestion: Rinse the mouth. DO NOT induce vomiting. Consult a doctor urgently. |
| 4.2 | Symptoms/injuries | after inhalation: May cause an allergic skin reaction. after contact with skin: Causes skin irritation. |
| 4.3 | Indication of the required immediate medical care and special treatment | No additional information available |
| SECTION 5: Firefighting measures | | |
| 5.1 | Extinguishing equipment | Suitable extinguishing agents: Foam. AFFF. Water mist. Unsuitable extinguishing agents: Do not use a strong water jet. Dry powder. |
| 5.2 | Special hazards caused by the substance or mixture. Prevent extinguishing | water from flowing into sewers or watercourses. |
| 5.3 | Advice for firefighters | Fire precautions: No open flames, no sparks, and no smoking. Extinguishing instructions: Do not enter the fire zone without suitable safety equipment, including respiratory protection. Protection during firefighting: Cool the exposed vessels with a water spray or mist. Other information: Exercise extreme caution when fighting a chemical fire. |
| SECTION 6: Measures in the event of accidental release of the substance or mixture | | |
| 6.1 | Personal precautions, protective equipment and emergency procedures | General measures: No smoking |
| 6.11 | For persons other than emergency services | Protective equipment: Equip cleaning staff with appropriate protection. Emergency procedures: Keep spectators at a distance. |
| 6.12 | For the emergency services | No additional information available |
| 6.2 | Environmental precautions | Clean up spilled product as soon as possible using an absorbent product. Do not allow to flow into the sewer system or public waters. |
| 6.3 | Methods and material for containment and cleaning up | For containment : Use suitable waste containers. Cleaning methods: Clean up spilled product as quickly as possible using an absorbent product. If necessary, neutralize with acid. |
| 6.4 | Reference to other sections. | Regarding waste disposal after cleaning, see section 13. See section 8 regarding the use of personal protective equipment. |
| SECTION 7: Handling and storage | | |
| 7.1 | Precautions for the safe handling of the substance or mixture | Wash hands and other exposed parts with mild soap and water before eating, drinking, smoking, or leaving work. Ensure good ventilation in the processing area to avoid the formation of fumes. |
| 7.2 | Conditions for safe storage, | |

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| | <p>Including incompatible products. Storage conditions: Store only in the original packaging in a cool, well-ventilated place. Keep the containers closed when not in use. Incompatible substances: Strong alkalis. Strong acids. Remove all sources of ignition. Protect the product from direct sunlight.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------------------|--------------------------------|----------------------------------|--------------------|-------|----------------|---------|-----|--------------------------------|------------|---------------------|------------|--|--|--|--|--|--------|--------------------------------|------------|---------------------|------------|--|--|--|--|--|-------------|----------------------|-------|
| 7.3 | Specific end-use | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | B Component floor system | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SECTION 8: Exposure control measures/personal protection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.1 | Control parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Ingredients</th> <th>CAS No.</th> <th>Type of value (Mode of exposure)</th> <th>Control parameters</th> <th>Basic</th> </tr> </thead> <tbody> <tr> <td>Propionic acid</td> <td>79-09-4</td> <td>TWA</td> <td>10 ppm 31 mg/m³</td> <td>2000/39/EC</td> </tr> <tr> <td>Further information</td> <td colspan="4">Indicative</td> </tr> <tr> <td></td> <td></td> <td>COUPLE</td> <td>20 ppm 62 mg/m³</td> <td>2000/39/EC</td> </tr> <tr> <td>Further information</td> <td colspan="4">Indicative</td> </tr> <tr> <td></td> <td></td> <td>TGG-8 hours</td> <td>31 mg/m³</td> <td>NL WG</td> </tr> </tbody> </table> | Ingredients | CAS No. | Type of value (Mode of exposure) | Control parameters | Basic | Propionic acid | 79-09-4 | TWA | 10 ppm 31 mg/m ³ | 2000/39/EC | Further information | Indicative | | | | | | COUPLE | 20 ppm 62 mg/m ³ | 2000/39/EC | Further information | Indicative | | | | | | TGG-8 hours | 31 mg/m ³ | NL WG |
| Ingredients | CAS No. | Type of value (Mode of exposure) | Control parameters | Basic | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Propionic acid | 79-09-4 | TWA | 10 ppm 31 mg/m ³ | 2000/39/EC | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Further information | Indicative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | COUPLE | 20 ppm 62 mg/m ³ | 2000/39/EC | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Further information | Indicative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TGG-8 hours | 31 mg/m ³ | NL WG | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.2 | Exposure control measures Personal protective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <p>equipment: Avoid unnecessary exposure. Gloves. Safety glasses. Hand protection: Wear protective gloves. Eye protection: Safety glasses. Respiratory protection: Wear a suitable mask. Other information: Do not eat, drink, or smoke during use.</p> <p>Eye wash bottle with pure water Close-fitting safety goggles Wear a face shield and protective suit in case of exceptional handling problems</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <p>Personal protective equipment</p> <p>Hand protection Material butyl rubber: Breakthrough time: > 8 h</p> <p>Material : Nitrile rubber Breakthrough time : 10 - 480 min</p> <p>Material : Ethyl vinyl alcohol laminate (EVAL) Breakthrough time : > 8 h</p> <p>Comments : The selected safety gloves must comply with the specifications of Regulation (EU) 2016/425 and the derived EN 374 standard. Gloves must be discarded and replaced at the first signs of degradation or chemical breakdown. Take note of the information provided by the manufacturer regarding permeability and impregnation time, and special workplace conditions (mechanical stress, contact time). Suitability</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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For a specific workplace, the manufacturer of the protective gloves must be consulted.

Skin and body protection :
 Impermeable clothing
 Select protective clothing based on the quantity and concentration of the hazardous substance at the workplace.
 Protection of the respiratory tract:
 No personal respiratory protection required under normal use.

SECTION 9: Physical and chemical properties

| | |
|--------------------------------------|---|
| 9.1 | Information about basic physical and chemical properties |
| | <p>Physical state: liquid Color: Not available Scent: characteristic. Odor threshold: Light pH: 10 - 11 (20 °C) Concentration: 100 g/ Relative evaporation rate (butyl acetate=1): No data available Melting point: Approximately 0 °C Freezing/solidification point: No data available Boiling point: Approx. 100 °C Flash point: > 100 °C Method: Pensky-Martens closed cup Autoignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : Non-flammable Vapor pressure : No data available Relative vapor density at 20 °C : No data available Relative density : 1.80 (20 °C)</p> <p>Solubility : Soluble (Water) Log Power : No data available Kinematic viscosity : No data available Dynamic viscosity : 2,000 - 5,000 mPa,s (25 °C) Explosion properties : No data available Oxidizing properties : No data available Explosion limits : No data available</p> |
| 9.2 | Other information |
| | No additional information available |
| SECTION 10: Stability and reactivity | |
| 10.1 | Reactivity |
| | No additional information available |
| 10.2 | Chemical stability |
| | Not determined. |
| 10.3 | Possible dangerous reactions |
| | Not determined |
| 10.4 | Conditions to be avoided |
| | Not known |
| 10.5 | Chemically interacting materials |
| | Not determined |

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| | | |
|--|------|--|
| | 10.6 | Dangerous decomposition products smoke. |
| | | Not determined |
| SECTION 11: Toxicological information | | |
| | 11.1 | Information about toxicological effects |
| | | <p>Acute toxicity :</p> <p>Ingredients:</p> <p>Propionic acid:</p> <p>Acute oral toxicity : LD50 (Rat, male and female): 3,455.1 mg/kg</p> <p>Method: OECD 401 Guideline Test</p> <p>Ingredients:</p> <p>Propionic acid:</p> <p>Acute toxicity by inhalation : LC50 (Rat, male and female): > 19.7 mg/l</p> <p>Exposure time: 4 h</p> <p>Test atmosphere: vapors Method: OECD 403 Test Guideline</p> <p>Assessment: The substance or mixture shows no acute toxicity by inhalation</p> <p>Ingredients:</p> <p>Propionic acid:</p> <p>Acute dermal toxicity : LD50 (Rat, female): 3,235 mg/kg</p> <p>Method: OECD 402 Guideline test</p> <p>Acute toxicity (other way: No data available</p> <p>of administration)</p> <p>Skin corrosion/irritation</p> <p>Ingredients:</p> <p>Propionic acid:</p> <p>Species: Rabbit</p> <p>Assessment: Causes burns. Method: OECD 404 Guideline Test Result: Causes burns.</p> <p>Serious eye injury/eye irritation</p> <p>Ingredients:</p> <p>Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, reaction products with ethylenediamine, epichlorohydrin-polyethylene glycol polymer, cresol glycidyl ether and 1,4-bis(methylol)cyclohexanediglycidyl ether:</p> <p>Rating: Caustic</p> <p>Propionic acid:</p> <p>Species: Rabbit Rating: Biting</p> <p>Method: Guideline test OECD 405 Result: Corrosive</p> <p>Sensitization of the respiratory tract/skin</p> <p>Ingredients:</p> <p>Propionic acid:</p> <p>Test type: Maximization test Route of exposure: Skin contact Species: Guinea pig</p> <p>Method: OECD 406 guideline test</p> <p>Result: Does not cause skin hypersensitivity.</p> |

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Rating: No data available

Germ cell mutagenicity

Ingredients:

Propionic acid:

Genotoxicity in vitro :

Chinese hamster fibroblasts

Test type: sister chromatid exchange test Test system:

metabolic activation: with and without metabolic activation Method: OECD Guideline test 479

Result: negative

Ingredients:

Propionic acid:

Genotoxicity in vivo :

Test type: Microcore test

Research species: Chinese hamster (male and female)

Cell type: Bone marrow

Method of application: Intraperitoneal injection Dose: 125 mg/kg

Method: OECD 474 Guideline Test

Mutagenicity in

Gametes- Assessment :

No data available

Carcinogenicity

No data available

Carcinogenicity -

Judgement :

No data available

Toxicity to reproduction

Effects on the

fertility :

No data available

Effects on development

of the fetus :

No data available

Toxicity to the

reproduction - Assessment :

No data available

SOT upon single exposure

Ingredients:

Propionic acid:

Route of exposure: Inhalation Target organs: Respiratory tract

Assessment: The substance or mixture is classified as specific target organ toxic, single exposure, category 3 with respiratory irritation.

SOT upon repeated exposure

No data available

Toxicity upon repeated administration

Ingredients:

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Propionic acid:
 Species: Dog, male and female NOAEL: 733.4 mg/kg
 Method of application: Oral
 Exposure time: 90 d Dose: 3000, 10000, 30000 ppm Method: OECD 409 Guideline test

Toxicity upon repeated : No data available

administration - Assessment

Aspiration toxicity
 No data available

Experience with human exposure

General information: No data available

Inhalation: No data available

Skin contact: No data available

Contact with the
 eyes: No data available

Swallow: No data available

Toxicology, Metabolism, Distribution
 No data available

Neurological effects
 No data available

Further information

Ingestion: No data available LD50 (Rat, male and female): 3,455.1 mg/kg
 Method: OECD 401 Guideline Test

SECTION 12: Ecological information

| | | |
|--|------|--|
| | | Ecotoxicology Assessment Acute aquatic toxicity: no data available Chronic aquatic toxicity: no data available |
| | 12.1 | Ecology - water |
| | | Ingredients: Propionic acid: |

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| | <p>Toxicity to fish: LC50 (Leuciscus idus (Golden Ide)): > 10,000 mg/l Exposure time: 96 h</p> <p>Test type: static test Method: DIN 38412</p> <p>Toxicity to daphnia and other invertebrates aquatic animals :LC50 (Daphnia magna (large water flea)): > 500 mg/l Exposure time: 48 h Test type: static test</p> <p>Method: Directive 67/548/EEC, Annex V, C.2. Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green (algae)): > 500 mg/l Exposure time: 72 h Test type: static test Method: OECD test guideline 201</p> |
| 12.2 | Persistence and degradability |
| | <p>Biodegradability : Result: Easily Test type: aerobic Vaccine: activated sludge biodegradable. Biodegradation: 93% Exposure time: 20 days Method: Other guidelines</p> |
| 12.3 | Bioaccumulation: |
| | no data available |
| 12.4 | Mobility in the soil |
| | <p>Propionic acid: Distribution in and between environmental compartments : log Koc: 0.079</p> |
| 12.5 | Results of PBT and zPzB assessment |
| | No additional information available |
| 12.6 | Other harmful effects |
| | Avoid discharge into the vicinity. |
| SECTION 13 Disposal instructions | |
| 13.1 | Waste processing methods |
| | <p>Recommendations for waste disposal: Dispose of safely in accordance with local/national regulations.</p> <p>Prevent discharge into the environment</p> |
| SECTION 14: Information regarding transport | |
| | Land transport (ADR / RID / GGVSEB) |
| 14.1 | UN number: |
| | <p>ADR-UN Number: Not regulated as a hazardous substance IATA-UN Number: Not regulated as a hazardous substance IMDG-UN Number: Not regulated as a hazardous substance RID-Un number: Not regulated as a hazardous substance</p> |
| 14.7 | Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code |
| | Not applicable |
| SECTION 15: Regulations | |
| 15.1 | Specific safety, health and environmental regulations and legislation for the substance or mixture |

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has been considered insofar as these were available at the time of compilation (see Version number and Revision date).

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