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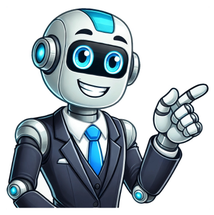

Hempadur Mastic 45880 is a polyamide curing, high solids epoxy paint. It forms a hard and tough coating, has good wetting properties and cures at low temperature. Versatile.High surface tolerance.Low temperature curing. Hempadur Mastic 45880 is recommended as a self-primed, surface tolerant paint system, or as an intermediate or a topcoat in systems where low VOC and high film build are required. The product can be used when extended recoating properties for polyurethane topcoats are required. It may also be used directly on zinc silicate or spray metallised surfaces. The product can be used for minor repairs in immersed areas. Infrastructure/Civil structures Infrastructure/Infrastructure others Thermal Power/Thermal power We have employees in more than 80 countries, and we speak almost as many languages. But were all part of the Hempel family with a desire to paint our world stronger, safer and longer lasting. Working at Hempel Career development Our people Hempel Foundation Vacancies Hempadur 856712Pages Hempadur Mastic 45880 is a polyamide curing, high solids modified epoxy paint. It forms a hard and tough coating, has good wetting properties and cures at low temperature.Complies with EU Directive 2004/42/EC, The Paints Directive on the limitation of volatile organic compounds: subcategory j. Versatile, can be used for both steel and concrete. High surface tolerance. Low temperature curing. Hempadur Mastic 45880 is recommended as a self-primed, surface tolerant paint for steel and concrete or as an intermediate or a topcoat in systems where low VOC and high film build are required. The product can be used when extended recoating properties for polyurethane topcoats are required. It may also be used directly on zinc silicate or spray metallised surfaces. The product can be used for minor repairs in immersed areas. Infrastructure/Civil structures Infrastructure/Infrastructure others Thermal Power/Thermal power 0 ratings0% found this document useful (0 votes)539 viewsThis document provides product information for HEMPADUR MASTIC 45880, a two-component polyamide epoxy paint. It forms a hard, tough coating suitable for use as a self-primed coating in heavyAI-enhanced title and descriptionSaveSave Hempadur-Mastic-45880-Product-Data-Sheet For Later0%0% found this document useful, undefined Safety Data Sheet HEMPADUR MASTIC 45889 Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 - Europe SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier Product name : HEMPADUR MASTIC 45889 Product identity : 4588900010 Product type : epoxy primer (base for multi-component product) 1.2 Relevant identified uses of the substance or mixture and uses advised against Field of application : metal industry, ships and shipyards. Ready-for-use mixture : 45880 = 45889 3 vol. / 95880 1 vol. 45881 = 45889 3 vol. / 95881 1 vol. 4588W = 45889 3 vol. / 9588W 1 vol. Identified uses : Industrial applications, Used by spraying. 1.3 Details of the supplier of the safety data sheet 1.4 Emergency telephone number Company details : Emergency telephone number (with hours of operation) HEMPEL A/S Lundtoftegrdsvej 91 DK-2800 Kgs. Lyngby Denmark Tel.: + 45 45 93 38 00 Date of issue : 23 September 2017 Date of previous issue : 15 June 2017. +45 45 93 38 00 (08.00 - 17.00) See section 4 First aid measures. SECTION 2: Hazards identification 2.1 Classification of the substance or mixture Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1 Carc. 1B, H350 CARCINOGENICITY - Category 1B Aquatic Chronic 3, H412 AQUATIC HAZARD (LONG-TERM) - Category 3 See Section 11 for more detailed information on health effects and symptoms. 2.2 Label elements Hazard pictograms : Signal word : Danger Hazard statements : H226 - Flammable liquid and vapor. H318 - Causes serious eye damage. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H350 - May cause cancer. H412 - Harmful to aquatic life with long lasting effects. Precautionary statements : Prevention : Obtain special instructions before use. Do not breathe gas, vapor or spray. Wear protective gloves/ protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Response : 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 : Keep cool. Version: 0.07 Page: 1/12 Safety Data Sheet HEMPADUR MASTIC 45889 SECTION 2: Hazards identification Hazardous ingredients : iso-butanol bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 Methylstyrenated phenol middle molecular epoxy resin MMW 700-1200 formaldehyde 1,3-bis(12-hydroxyocta-decanamide-N-methyle)benzene Supplemental label elements : Restricted to professional users. Contains epoxy constituents. May produce an allergic reaction. Special packaging requirements Containers to be fitted with childresistant fastenings : Not applicable. Tactile warning of danger : Not applicable. 2.3 Other hazards Other hazards which do not result in classification : None known. SECTION 3: Composition/information on ingredients 3.2 Mixtures . Product/ingredient name Identifiers % Regulation (EC) No. 1272/2008 [CLP] Type 1,3,5-triazine-2,4,6-triamine, polymer with formaldehyde, isobutylated iso-butanol CAS: 68002-21-1 25 - 50 Aquatic Chronic 4, H413 - [1] REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1 10 - 2000 mg/kg 5000 ppm 6350 ppm >4200 mg/kg 3523 mg/kg >5 mg/l >2000 mg/kg >2000 mg/kg 4 hours 4 hours 4 hours - LC50 Inhalation Dusts and mists LD50 Oral LD50 Dermal LD50 Oral LC50 Inhalation Gas. LD50 Dermal LD50 Oral LC50 Inhalation Dusts and mists Rat Rat Rabbit Rat Rat Rabbit Rat Rat >4178 mg/m 1620 mg/kg >5000 mg/kg 3500 mg/kg 250 ppm 270 mg/kg 100 mg/kg >5 mg/m 4 hours 4 hours 4 hours LD50 Dermal LD50 Oral Rat Rat >2000 mg/kg >2000 mg/kg - Acute toxicity estimates Version: 0.07 Dose Page: 7/12 Safety Data Sheet HEMPADUR MASTIC 45889 SECTION 11: Toxicological information Route ATE value Oral Dermal Inhalation (gases) Inhalation (vapors) 10304.6 mg/kg 13959.3 mg/kg 42676.7 ppm 203.8 mg/l Irritation/Corrosion Product/ingredient name bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 xylene Methylstyrenated phenol benzyl alcohol ethylbenzene formaldehyde Result Species Score Exposure Eyes - Mild irritant Rabbit - - Skin - Mild irritant Eyes - Severe irritant Skin - Moderate irritant Eyes - Mild irritant Eyes - Irritant Skin - Mild irritant Skin - Mild irritant Respiratory - Mild irritant Eyes - Mild irritant Eyes - Severe irritant Skin - Mild irritant Skin - Moderate irritant Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit Human Rabbit - 24 hours 5 milligrams 24 hours 500 milligrams 24 hours 15 milligrams 24 hours 750 Micrograms 72 hours 150 Micrograms Intermittent 24 hours 50 milligrams Sensitizer Product/ingredient name bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 middle molecular epoxy resin MMW 700-1200 Route of exposure Species Result skin Guinea pig Sensitizing skin Guinea pig Sensitizing Mutagenic effects No known significant effects or critical hazards. Carcinogenicity May cause cancer. Risk of cancer depends on duration and level of exposure. Reproductive toxicity No known significant effects or critical hazards. Teratogenic effects No known significant effects or critical hazards. Specific target organ toxicity (single exposure) Product/ingredient name Category Route of exposure iso-butanol Category 3 Not applicable. formaldehyde Category 3 Not applicable. Target organs Respiratory tract irritation and Narcotic effects Respiratory tract irritation Specific target organ toxicity (repeated exposure) Product/ingredient name ethylbenzene Category Category 2 Route of exposure Not determined Target organs hearing organs Aspiration hazard Product/ingredient name ethylbenzene Result ASPIRATION HAZARD - Category 1 Information on the likely routes of exposure Routes of entry anticipated: Oral, Dermal, Inhalation. Potential chronic health effects Product/ingredient name formaldehyde Version: 0.07 Carcinogenic effects Carc. 1B, H350 Mutagenic effects Muta. 2, H341 Page: 8/12 Developmental effects - Fertility effects - Safety Data Sheet HEMPADUR MASTIC 45889 SECTION 11: Toxicological information Sensitization : Contains bisphenol A-(epichlorhydrin) epoxy resin MW =< 700, Methylstyrenated phenol, middle molecular epoxy resin MMW 700-1200, formaldehyde, 1,3-bis(12-hydroxyocta-decanamide-N-methyle) benzene. May produce an allergic reaction. Other information : No additional known significant effects or critical hazards. SECTION 12: Ecological information 12.1 Toxicity Do not allow to enter drains or watercourses. Harmful to aquatic life with long lasting effects. Product/ingredient name Result iso-butanol bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 Methylstyrenated phenol middle molecular epoxy resin MMW 700-1200 benzyl alcohol ethylbenzene formaldehyde 1,3-bis(12-hydroxyoctadecanamide-N-methyle)benzene Species Exposure Chronic NOEC 4000 g/l Fresh water Acute EC50 >11 mg/l Daphnia - Daphnia magna Algae 21 days 72 hours Acute EC50 1.4 - 1.7 mg/l Acute LC50 3.1 mg/l 48 hours 96 hours Acute EC50 15 mg/l Acute EC50 14 - 51 mg/l Acute EC50 25.8 mg/l Acute EC50 >100 mg/l Daphnia - Daphnia magna Fish - fathead minnow (Pimephales promelas) Algae Daphnia Fish Daphnia Acute LC50 >100 mg/l Acute EC50 230 mg/l Acute IC50 770 mg/l Acute LC50 460 mg/l Chronic NOEC 100 mg/l Fish Daphnia Algae Fish Algae - Pseudokirchneriella subcapitata Algae - Ulva pertusa Algae 96 hours 48 hours 72 hours 96 hours 96 hours 96 hours 72 hours Acute LC50 >100 mg/l Fish 96 hours 72 hours 48 hours 96 hours 48 hours 12.2 Persistence and degradability Product/ingredient name bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 xylene benzyl alcohol ethylbenzene 1,3-bis(12-hydroxyoctadecanamide-N-methyle)benzene Test OECD 302B Inherent Biodegradability: Zahn-Wellens/ EMPA Test OECD 301C 301C Ready Biodegradability - Modified MITI Test (I) - Product/ingredient name bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 xylene benzyl alcohol ethylbenzene 1,3-bis(12-hydroxyoctadecanamide-N-methyle)benzene Result Dose Inoculum 12 % - Not readily - 28 days - - >60 % - Readily - 28 days 92 - 96 % - Readily - 14 days - - >70 % - Readily - 28 days 5 % - 28 days - - Aquatic half-life Photolysis Biodegradability - - Not readily - - Readily Readily Readily Not readily 12.3 Bioaccumulative potential Product/ingredient name iso-butanol bisphenol A-(epichlorhydrin) epoxy resin MW =< 700 xylene Methylstyrenated phenol middle molecular epoxy resin MMW 700-1200 benzyl alcohol ethylbenzene formaldehyde LogPow 1 2.64 - 3.78 3.12 3.627 2.64 - 3.78 0.87 3.6 0.35 12.4 Mobility in soil Soil/water partition coefficient (KOC) : Version: 0.07 No known data avaliable in our database. Page: 9/12 BCF 31 8.1 - 25.9 31 1.37 3 Potential low low low low low low low low Safety Data Sheet HEMPADUR MASTIC 45889 SECTION 12: Ecological information Mobility : No known data avaliable in our database. 12.5 Results of PBT and vPvB assessment PBT : Not applicable. vPvB : Not applicable. 12.6 Other adverse effects No known significant effects or critical hazards. SECTION 13: Disposal considerations 13.1 Waste treatment methods The generation of waste should be avoided or minimized wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Spillage, remains, discarded clothes and similar should be discarded in a fireproof container. European waste catalogue no. (EWC) is given below. European waste catalogue (EWC) : 08 01 11* Packaging The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. SECTION 14: Transport information Transport may take place according to national regulation or ADR for transport by road, RID for transport by train, IMDG for transport by sea, IATA for transport by air. 14.1 UN no. 14.2 Proper shipping name 14.3 Transport hazard class(es) 14.4 PG* 14.5 Env* Additional information ADR/RID Class UN1263 PAINT 3 III No. Tunnel code (D/E) IMDG Class UN1263 PAINT 3 III No. Emergency schedules F-E, S-E IATA Class UN1263 PAINT 3 III No. - PG* : Packing group Env.* : Environmental hazards 14.6 Special precautions for user Transport within users 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. 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable. SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization - Substances of very high concern Annex XIV None of the components are listed. Substances of very high concern None of the components are listed. Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Restricted to professional users. Version: 0.07 Page: 10/12 Safety Data Sheet HEMPADUR MASTIC 45889 SECTION 15: Regulatory information Other EU regulations Seveso category This product is controlled under the Seveso III Directive. Seveso category P5c: Flammable liquids 2 and 3 not falling under P5a or P5b 6: Flammable (R10) 15.2 Chemical Safety Assessment This product contains substances for which Chemical Safety Assessments are still required. SECTION 16: Other information Abbreviations and acronyms : ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] EUH statement = CLP-specific Hazard statement RRN = REACH Registration Number DNEL = Derived No Effect Level PNEC = Predicted No Effect Concentration Full text of abbreviated H statements : H225 H226 H301 H302 H304 H311 H312 H314 H315 H317 H318 H319 H331 H332 H335 H336 H341 H350 H373 H411 H412 H413 Highly flammable liquid and vapor. Flammable liquid and vapor. Toxic if swallowed. Harmful if swallowed. May be fatal if swallowed and enters airways. Toxic in contact with skin. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Toxic if inhaled. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. May cause long lasting harmful effects to aquatic life. Full text of classifications [CLP/GHS] : Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Aquatic Chronic 2, H411 Aquatic Chronic 3, H412 Aquatic Chronic 4, H413 Asp. Tox. 1, H304 Carc. 1B, H350 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H226 Muta. 2, H341 Skin Corr. 1B, H314 Skin Irrit. 2, H315 Skin Sens. 1, H317 Skin Sens. 1B, H317 STOT RE 2, H373 STOT SE 3, H335 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 AQUATIC HAZARD (LONG-TERM) - Category 2 STOT SE 3, H336 AQUATIC HAZARD (LONG-TERM) - Category 3 AQUATIC HAZARD (LONG-TERM) - Category 4 ASPIRATION HAZARD - Category 1 CARCINOGENICITY - Category 1B SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 GERM CELL MUTAGENICITY - Category 2 SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) Category 3 Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Version: 0.07 Page: 11/12 Safety Data Sheet HEMPADUR MASTIC 45889 SECTION 16: Other information Classification Justification FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1B AQUATIC HAZARD (LONG-TERM) - Category 3 On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Notice to reader Indicates information that has changed from previously issued version. The information contained in this safety data sheet is based on the present state of knowledge and EU and national legislation. It provides guidance on health, safety and environmental aspects for handling the product in a safe way and should not be construed as any guarantee of the technical preformance or suitability for particular applications. It is always the duty of the user/employer to ascertain that the work is planned and carried out in accordance with the national regulations. Version: 0.07 Page: 12/12 Hempels latest market-leading epoxy PFPdelivers uncompromising fire protection for 25 years and beyond. With up to 40% lower paint consumption and a solvent-free, low-carbon formula, it ensures superior performance and sustainability.

Hempadur mastic 45881 material safety data sheet. Hempadur mastic 45880 safety data sheet. Hempadur mastic 45881 safety data sheet. Datasheet hempadur mastic 45880.