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Safety data sheet

according to 1907/2006/EC, Article 31 Version number 2 Printing date 17.11.2017 Revision: 17.11.2017 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: CARDEA EPOXY PRIMER · Article number: BA316G2600 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the mixture Paint · 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: Manufacturer: Kansai Altan Boya San. ve Tic. A.S. Kemalpaşa OSB Mahallesi İzmir Ankara Yolu (Ansızca) Küme Evleri No: 286 Kemalpaşa – İzmir TURKEY infosds@kansaialtan.com.tr • Further information obtainable from: Material safety department • 1.4 Emergency telephone number: During working hours: +90 232 870-1277 **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 GHS02 flame H226 Flammable liquid and vapour. Flam. Liq. 3 GHS05 corrosion Eye Dam. 1 H318 Causes serious eye damage. GHS09 environment Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects. GHS07 Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. · Hazard pictograms GHS02 GHS05 GHS07 GHS09 (Contd. on page 2)





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Printing date 17.11.2017 Version number 2 Revision: 17.11.2017 Trade name: CARDEA EPOXY PRIMER (Contd. of page 1) · Signal word Danger · Hazard-determining components of labelling: reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight 2-methylpropan-1-ol [3-(2,3-epoxypropoxy)propyl]trimethoxysilane · Hazard statements H226 Flammable liquid and vapour. H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. · Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 Use explosion-proof electrical/ventilating/lighting equipment. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. · 2.3 Other hazards · Results of PBT and vPvB assessment • **PBT:** Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-25%
CAS: 7779-90-0 EINECS: 231-944-3 Index number: 030-011-00-6 Reg.nr.: 01-2119485044-40	trizinc bis(orthophosphate) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2.5-10%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35	1-methoxy-2-propanol	2.5-10%
CAS: 1330-20-7 EINECS: 215-535-7	xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
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CAS: 78-83-1	2-methylpropan-1-ol	2.5-10%
EINECS: 201-148-0	🚸 Flam. Liq. 3, H226; 🤣 Eye Dam. 1, H318; 🕔 Skin Irrit. 2,	
Index number: 603-108-00-1	H315; STOT SE 3, H335-H336	
Reg.nr.: 01-2119484609-23		
CAS: 111-76-2	2-butoxyethanol	2.5-10%
EINECS: 203-905-0	() Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4,	
	H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Reg.nr.: 01-2119475108-36		
CAS: 1314-13-2	zinc oxide	≥0.25-≤2.5%
EINECS: 215-222-5	🚱 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Index number: 030-013-00-7		
Reg.nr.: 01-2119463881-32		
CAS: 2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	≥1-≤2.5%
EINECS: 219-784-2	🚸 Flam. Liq. 3, H226; 🚸 Eye Dam. 1, H318	
 • Additional information: For the wording of the listed hazard phrases refer to section 16.		

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- After inhalation:
- Supply fresh air and to be sure call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

- Suitable extinguishing agents: Alcohol-resistant foam, CO2, powders, water spray or mist.
- · For safety reasons unsuitable extinguishing agents: Water jet.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- Protective equipment:
- Do not inhale explosion gases or combustion gases.
- Wear fully protective suit.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.
 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling

- *Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.*
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage: 5 ℃ 40 ℃
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

107-98-2 1-methoxy-2-propanol

IOELV Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Skin

111-76-2 2-butoxyethanol

IOELV Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm Skin

• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

• Respiratory protection:

If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

• Recommended filter device for short term use: Combination filter A-P2

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Form:

· Odour:

· pH-value:

Colour:

· Odour threshold:

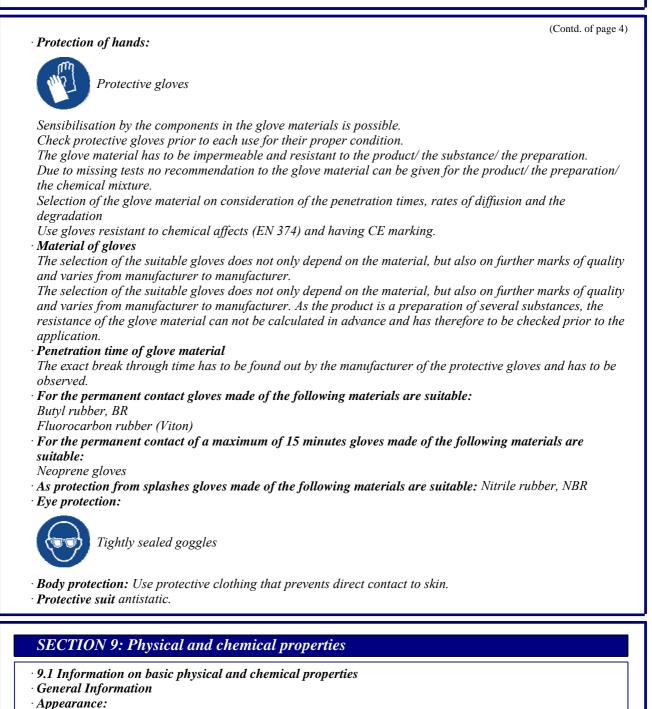
· Change in condition

Melting point/freezing point:

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Fluid

Grev

Characteristic

Not determined.

Not applicable.

Undetermined.

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Initial boiling point and boiling range	2: 120 °C
Flash point:	30 °C (Closed cup)
Flammability (solid, gas):	Not applicable.
Ignition temperature:	270 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits: Lower: Upper:	Not determined. Not determined.
Vapour pressure:	Not determined.
Density at 20 °C: Relative density Vapour density Evaporation rate	1.7 g/cm³ Not determined. Lighter than air Not determined.
Solubility in / Miscibility with water:	Partly soluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity: Dynamic: Kinematic at 20 °C:	Not determined. 150 s (DIN 53211/4)
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

• Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

107-98-2 1-methoxy-2-propanol

Dermal LD50 2,000 mg/kg (rabbit)

Inhalative LC50/96 h 27,596 mg/l (rat)

78-83-1 2-methylpropan-1-ol

Dermal LD50 3,400 mg/kg (rabbit)

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(Contd. of page 6) 111-76-2 2-butoxyethanol LD50 >2,000 mg/kg (rat) Dermal · Primary irritant effect: · Skin corrosion/irritation Causes skin irritation. · Serious eye damage/irritation Causes serious eye damage. · Respiratory or skin sensitisation May cause an allergic skin reaction. · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) · Germ cell mutagenicity Based on available data, the classification criteria are not met. · Carcinogenicity Based on available data, the classification criteria are not met. • *Reproductive toxicity* Based on available data, the classification criteria are not met. • STOT-single exposure Based on available data, the classification criteria are not met. • STOT-repeated exposure Based on available data, the classification criteria are not met. • Aspiration hazard Based on available data, the classification criteria are not met. **SECTION 12: Ecological information** · 12.1 Toxicity · Aquatic toxicity: No further relevant information available. · 12.2 Persistence and degradability No further relevant information available. · 12.3 Bioaccumulative potential No further relevant information available. · 12.4 Mobility in soil No further relevant information available. · Ecotoxical effects: · Remark: Toxic for fish • Additional ecological information: · General notes: Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms · 12.5 Results of PBT and vPvB assessment • **PBT:** Not applicable. · vPvB: Not applicable. • 12.6 Other adverse effects No further relevant information available. **SECTION 13: Disposal considerations** · 13.1 Waste treatment methods · Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system. · European waste catalogue 08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 08 01 00 wastes from MFSU and removal of paint and varnish 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances 08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS (Contd. on page 8)





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ſ	08 01 00	wastes from MFSU and removal of paint and varnish	1
	08 01 13*	sludges from paint or varnish containing organic solvents or other hazardous substances	
ľ	15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND	1
l		PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	
	15 01 00	packaging (including separately collected municipal packaging waste)	
I	15 01 10*	packaging containing residues of or contaminated by hazardous substances	

· Uncleaned packaging:

×

• Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number · ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR MDG	1263 PAINT, ENVIRONMENTALLY HAZARDOUS PAINT (trizinc bis(orthophosphate), zinc oxide), MARINE POLLUTANT
·IATA	PAINT
14.3 Transport hazard class(es)	
ADR, IMDG	
Class	3 Flammable liquids.
Label	3
· Class	3 Flammable liquids.
Label	3
14.4 Packing group	
ADR, IMDĞ, IATA	III
14.5 Environmental hazards:	Product contains environmentally hazardous substances: trizinc bis(orthophosphate)
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler):	30
EMS Number:	F- E , S - E



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· 14.7 Transport in bulk according to Anne	ex II of
Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
·ADR	
· Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
• • · · · ·	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
• Tunnel restriction code	D/E
·IMDG	
· Limited quantities (LQ)	5L
$\cdot Excepted$ quantities $(\widetilde{E}Q)$	Code: E1
• • · · · ·	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III, ENVIRONMENTALLY
5	HAZARDOUS

SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation:

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) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category
- *E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS*
- \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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Printing date 17.11.2017 Version number 2 Revision: 17.11.2017 Trade name: CARDEA EPOXY PRIMER (Contd. of page 9) H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. · Department issuing SDS: Product safety department • Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Skin Sens. 1: Skin sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 * Data compared to the previous version altered.

