

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 20.02.2024

Version number: 1.08

Revision: 16.01.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier For industrial and professional use only.
- Trade name: 2k Epoxy LFP Line Marking Paint Primer
- Article number: 8800
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Surface Coating
- Application of the substance / the mixture
 - Epoxy coating
 - Surface Coating
 - Surface Coating
- 1.3 Details of the supplier of the safety data sheet
- Supplier:
 - Tensid UK Ltd
 - Unit 1, Craven Court,
 - Canada Road,
 - Byfleet,
 - Surrey,
 - KT14 7JL
 - UNITED KINGDOM
 - TEL: +44 (0)1932 564133
 - EMAIL: info@tensid.com
- Further information obtainable from: info@tensid.com
- 1.4 Emergency telephone number: +44 (0)1932 564133 (business hours)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272 /2008
 - Eye Dam. 1 H318 Causes serious eye damage.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
 - The product is classified and labelled according to the GB CLP regulation.
- Hazard pictograms



GHS05

- Signal word Danger
- Hazard statements
 - H318 Causes serious eye damage.
- Precautionary statements
 - P280 Wear eye protection / face protection.
 - 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.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number: 1.08

Revision: 16.01.2024

Trade name: 2k Epoxy LFP Line Marking Paint Primer

(Contd. of page 1)

- Additional information:
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- 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: 7727-43-7 EINECS: 231-784-4 Reg.nr.: Exempt under ANNEX V article 7	barium sulphate, natural substance with a Community workplace exposure limit	25-50%
	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 ☞ Eye Dam. 1, H318	10-25%
CAS: 1174627-68-9	Pentanoic acid, 5-(dimethylamino)-2-methyl-5-oxo-, methyl ester ⚠ Eye Irrit. 2, H319	≤ 2.5%
CAS: 79-09-4 EINECS: 201-176-3 Reg.nr.: 01-2119486971-24	propionic acid ⚠ Flam. Liq. 3, H226; ☞ Skin Corr. 1B, H314	≤ 2.5%

- 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; consult doctor in case of complaints.
- After skin contact:
Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
Do not induce vomiting; call for medical help immediately and show safety datasheet or label.
- 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 Treat symptomatically.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: Put on breathing apparatus

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2024

Version number: 1.08

Revision: 16.01.2024

Trade name: 2k Epoxy LFP Line Marking Paint Primer

(Contd. of page 2)

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:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatome, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
- 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
Keep receptacles tightly sealed.
Hygiene measures:
Wash hands before breaks and at the end of workday.
- Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
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 receptacle tightly sealed and in a well-ventilated place.
Keep away from heat.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Additional information about design of technical facilities: No further data; see section 7.

• Ingredients with limit values that require monitoring at the workplace:

7727-43-7 barium sulphate, natural

WEL	Long-term value: 10^{-4} mg/m ³ *inhalable dust **respirable dust
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79-09-4 propionic acid

WEL	Short-term value: 46 mg/m ³ , 15 ppm Long-term value: 31 mg/m ³ , 10 ppm
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• DNELs

79-09-4 propionic acid

Dermal	DNEL	132 mg/day (Ind)
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Inhalative	DNEL	31 mg/m ³ (Ind)
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• 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

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2024

Version number: 1.08

Revision: 16.01.2024

Trade name: 2k Epoxy LFP Line Marking Paint Primer

(Contd. of page 3)

- Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.
- Respiratory protection: Particulate cartridge filter type when LEV cannot be supplied
 - Protection of hands:



Protective gloves

- Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Liquid
Colour:	Grey
Odour:	Characteristic
Odour threshold:	Not determined.

- pH-value at 20 °C: 8

- Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C

- Flash point: >100 °C

- Flammability (solid, gas): Not applicable.

- Decomposition temperature: Not determined.

- Ignition temperature: Product is not selfigniting.

- Explosive properties: Product does not present an explosion hazard.

- Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

- Vapour pressure at 20 °C: 23 hPa

- Density at 20 °C: 1.712 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.

- Solubility in / Miscibility with water: Fully miscible.

- Partition coefficient: n-octanol/water: Not determined.

- Viscosity:

Dynamic at 20 °C:	4100 mPas
Kinematic:	Not determined.

- Solvent content:

Organic solvents:	0.7 %
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(Contd. on page 5)

Safety data sheet

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Version number: 1.08

Revision: 16.01.2024

Trade name: 2k Epoxy LFP Line Marking Paint Primer

(Contd. of page 4)

Water:	26.7 %
Solids content:	68.8 %
· 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 specification
- 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 when stored and handled correctly

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:

7727-43-7 barium sulphate, natural

Oral	LD50	>15,000 mg/kg (Rat)
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79-09-4 propionic acid

Oral	LD50	2,600 mg/kg (Rat)
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Dermal	LD50	525 mg/kg (Rab)
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Inhalative	LC50/4 h	>4.9 mg/l (Rat)
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- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation
Causes serious eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Additional toxicological information:
- CMR effects (carcinogenicity, 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.
- Additional ecological information:
- General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number: 1.08

Revision: 16.01.2024

Trade name: 2k Epoxy LFP Line Marking Paint Primer

(Contd. of page 5)

Must not reach sewage water or drainage ditch undiluted or unneutralised.

- 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.
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|---|-----------------|
| • 14.1 UN-Number | |
| • ADR, ADN, IMDG, IATA | Void |
| • 14.2 UN proper shipping name | |
| • ADR, ADN, IMDG, IATA | Void |
| • 14.3 Transport hazard class(es) | |
| • ADR, ADN, IMDG, IATA | |
| • Class | Void |
| • 14.4 Packing group | |
| • ADR, IMDG, IATA | Void |
| • 14.5 Environmental hazards: | |
| • Marine pollutant: | No |
| • 14.6 Special precautions for user | Not applicable. |
| • 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| • UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Poisons Act

• Regulated explosives precursors
None of the ingredients is listed.

• Regulated poisons
None of the ingredients is listed.

• Reportable explosives precursors
None of the ingredients is listed.

• Reportable poisons
None of the ingredients is listed.

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.

(Contd. on page 7)

Safety data sheet

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(Contd. of page 6)

- National regulations:
- Technical instructions (air):

Class	Share in %
Wasser	26.7
NK	0.7

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 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.

- Full text of H-Statements referred to under sections 2 and 3:

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

- Department issuing SDS: Product safety department: LABORATORY

- Contact: Health & Safety Officer

- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (UK REACH)

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

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

- * Data compared to the previous version altered.

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