

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part B

Internal code: 2091

Revision date: 28/12/2020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	EPO-TEK EJ2189 (LV) Part B
Chemical name	Tetraetylenpentamin-blandning
Product type	Opto lim - haerder
Article-no	EJ2189 (LV) -B
Replace MSDS of	22.12.2017

1.2 Relevant identified uses of the substance or mixture and uses advised against

Uses of the chemical	Electrical, mechanical joining.
----------------------	---------------------------------

1.3 Details of the supplier of the safety data sheet

Distributor	G A Lindberg ChemTech AB Box 6044 164 06 Kista Sweden Telefon: 08-703 02 00 Fax: 08-703 02 48 www.galindberg.se sdb@galindberg.se
E-mail	sdb@galindberg.se
Internet	www.galindberg.se/chemtech
Responsible	Clara Hedström Cortinovis
1.4 Emergency telephone number	08-331231 (GIC), Alternativt: 112 (SOS Alarm).

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 1272/2008EC	Acute Tox 4; H302 Skin Sens 1; H317 Eye Dam 1; H318 Aquatic Chronic 2; H411 Skin Corr 1B; H314
---	--

2.2 Label elements

Pictogram



GHS05

GHS07

GHS09

Signal word	Danger
-------------	--------

Hazard statement(s)	H411 Toxic to aquatic life with long lasting effects. H317 May cause an allergic skin reaction. H314 Causes severe skin burns and eye damage. H302 Harmful if swallowed.
---------------------	---

Precautionary statements

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part B

Continued from last page

Internal code: 2091

Revision date: 28/12/2020

Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash exposed skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P330+P331 IF SWALLOWED: Rinse mouth; Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. 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 or doctor/physician.
2.3 Other hazards	Farlig vid förtäring. FRÅTANDE.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Ingredients	Identification	Classification	Note	Weight%
Tetraetylenpentamin	Ec/Nlp nr: 203-986-2 Cas nr: 112-57-2 Index nr: 612-060-00-0	Acute Tox 4; H302 Skin Corr 1B; H314 Skin Sens 1; H317 Aquatic Chronic 2; H411 Acute Tox 4; H312	9a	10-30

Explanation

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Fresh air and rest. Contact a doctor if necessary.
Skin contact	DO NOT use solvents or thinners. Wash skin with soap and water.
Eye contact	Contact doctor if problem persists. Rinse immediately with plenty of water for at least 15 minutes.
Ingestion	Do not induce vomiting. Drink two glasses of water or milk. Contact a doctor.
Medical information	Contact the Poison Information Centre - tel. 112 - for further information.
Health control	General health check.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Additional information	Remove the patient from the polluted area. Keep the patient warm and quiet. In all cases of doubt, or when symptoms persist, seek medical attention.
------------------------	--

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Foam, powder and carbon dioxide.
------------------------------	----------------------------------

5.2 Special hazards arising from the substance or mixture	In the event of fire, harmful and toxic gases may develop.
---	--

5.3 Advice for firefighters

Additional information	A breathing apparatus is necessary for protection against poisonous gasses. Containers in the proximity of fire must be moved or water-cooled. Avoid inhalation of smoke from the fire.
------------------------	--

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part B

Continued from last page

Internal code: 2091

Revision date: 28/12/2020

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Use specified safety equipment. Keep people and animals away from contaminated areas. Keep away from sources of ignition.
6.2 Environmental precautions	Must be prevented from entering the drains.
6.3 Methods and material for containment and cleaning up	Absorb with suitable material. Deliver to nearest refuse disposal terminal.
6.4 Reference to other sections	

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	People who work with glue should have received appropriate training in order to avoid personal injury. Follow the manual. Do not mix quantities greater than 25 grams at a time. Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid heating the product.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Keep away from oxidizing substances and strong acids and bases.
7.3 Specific end use(s)	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
8.2 Exposure controls	
Exposure controls	The work place and work methods must be designed so that direct contact with compound is avoided. Mechanical ventilation and point evacuation can be necessary. Eyewash facilities should be available at the work place. Please refer to ASS föreskrift om Hårdplaster (regulations relating to thermoset plastic).
Respiration protection	At high concentrations use breathing equipment supplied with fresh air.
Eye protection	Eye or face protection should be used if there is risk of direct contact or splashing.
Hand protection	Protective gloves of natural latex, nitrile, neoprene, PVA, butyl or PVC with Glove thickness of 0.1 mm according to standard EN-374. If continuous contact: Gloves with penetration time above 480 minutes. If short-term splash/exposure (up to 10 minutes): Gloves with penetration time above 20 minutes. Neoprene gloves. Protection cream is recommended.
Skin protection	Working clothes and plastic apron. Protective clothing should be worn if there is risk of direct contact or splashing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Form	Liquid.
Colour	amber
Odour	Svak. Mild.
Flash point	> 93°C
Vapour density	> 1
Relative density	1,02 g/cm ³
Solubility	Soluble in organic solvents.
Viscosity	1000 cps
Rel. avdunstningshastighet:	< 1 (BuAc=1)
9.2 Other information	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part B

Continued from last page

Internal code: 2091

Revision date: 28/12/2020

10.4 Conditions to avoid

10.5 Incompatible materials

Avoid strong oxidizing substances, bases and reducing substances. Avoid acids.

10.6 Hazardous decomposition products

During heating, welding or other heat-generating processes, poisonous vapours are formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Inntak kan förårsake skade på munn-, hals- og mage-tarmkanalen. Ingestion can cause nausea and stomach pains.

Skin corrosion/irritation

Due to components classified as corrosive it must be assumed that the product is corrosive to the skin. Frequent or prolonged contact may remove natural oils and dry out the skin, and cause discomfort and dermatitis. On repeated contact, there is a risk of eczema which can be allergic.

Serious eye damage/ irritation

Splashes in the eye can cause severe irritation. Risk of serious corrosive damage.

Respiratory or skin sensitisation

Frequent and long-term exposure may cause allergic reactions in sensitive persons.

STOT-single exposure

Longterm or repeated exposure may lead to recurring respiratory issues such as coughing, feeling of pressure in the chest and difficulty breathing. Risk also for damage to the eyes (keratitis).

Aspiration hazard

Inhalation of vapours/dust causes irritation of the nasal passages and respiratory tract, headaches, dizziness, tiredness and nausea.

Additional information

Hartset (partA) är avsedd att användas tillsammans med härdaren (part B). Läs också säkerhetsdatablad för den 2:a parten av denna produkt.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No results from ecotoxicological tests of the product as a whole available.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

12.4 Mobility in soil

Insoluble in water.

12.5 Results of PBT and vPvB assessment

The chemical does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII.

12.6 Other adverse effects

Additional information

Do not empty or deposited in places where the groundwater can be affected. Do not empty in sewers or other water drains.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Additional information

Product remains must be delivered to terminal for special waste.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

2320

14.2 UN proper shipping name

Item name

TETRAETHYLENEPENTAMINE

IMDG proper shipping name

TETRAETHYLENEPENTAMINE

14.3 Transport hazard class(es)

ADR/RID class

8

IMDG class

8

IATA class

8

14.4 Packing group

II

14.5 Environmental hazards

14.6 Special precautions for user

SAFETY DATA SHEET
EPO-TEK EJ2189 (LV) Part B

Continued from last page

Internal code: 2091

Revision date: 28/12/2020

SECTION 15: REGULATORY INFORMATION

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

This safety data sheet has been prepared in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH) Annex II, in accordance with Regulation EC No 1272/2008 (CLP).

15.2 Chemical safety assessment

Additional information

Restricted to professional users.

SECTION 16: OTHER INFORMATION

Relevant hazard- and risk phrases given in section 3

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Key literature references and sources for data

Safety Data Sheet prepared from data obtained from the manufacturer.

First released

2.5.2011

Additional information

This information is only valid for above mentioned product and is not necessary valid if the product is used together with one or several other products or in another process. The information is according to our judgement correct and complete and given in good faith but without warranty. It is up to the user to assure himself that the information is relevant and complete when it comes to his own use of this product.

--- SAFETY DATA SHEET conforming to commission regulation (EC) 1272/2008 and (EU)
2015/830 ---