

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part A

Internal code: 2091

Revision date: 26/3/2019

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

1.1 Product identifier

Trade name	EPO-TEK EJ2189 (LV) Part A
Product type	Electrically
Article-no	E2189 (LV) - A
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 assembly.
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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	www.galindberg.se/chemtech
Internet	Kristoffer Karström
Responsible	08-331231 (GIC), Alternativt: 112 (SOS Alarm).
1.4 Emergency telephone number	

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 1272/2008EC	Aquatic Chronic 2; H411: Toxic to aquatic environment. Eye Dam 1; H318: Serious eye damage. Skin Irrit 2; H315: Skin corrosion/irritation.
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2.2 Label elements

Pictogram



GHS05

GHS07

GHS09

Signal word

Danger

Hazard statement(s)

H411 Toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H315 Causes skin irritation.

Precautionary statements

Prevention

P261 Avoid breathing dust /fume /gas /mist /vapours/spray.
P264 Wash exposed skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part A

Continued from last page

Internal code: 2091

Revision date: 26/3/2019

Response	<p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses, if present and easy to do; Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P332 If skin irritation occurs: Seek medical advice.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p>
Disposal	P501 Dispose of contents/container to disposal facilities for hazardous waste.
2.3 Other hazards	<p>Irriterar ögonen och huden. Kan ge allergi vid hudkontakt.</p> <p>Giftigt för vattenlevande organismer, kan orsaka skadliga långtidseffekter i vattenmiljön.</p>

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Ingredients	Identification	Classification	Note	Weight%
Silver (Ag)	Ec/Nlp nr: 231-131-3 Cas nr: 7440-22-4	Aquatic Chronic 2; H411		60-100
Epoxy fenol Novolac	Reach nr: 01-2119454392-40 Cas nr: 9003-36-5	Skin Irrit 2; H315 Skin Sens 1; H317 Eye Irrit 2; H319 Aquatic Chronic 2; H411		10-30
Reaktiv lösning	Ec/Nlp nr: konf. Cas nr: konf.	Acute Tox 4; H302 Eye Dam 1; H318 STOT SE 3; H336		5-10
Reaktiv lösning	Ec/Nlp nr: konf Cas nr: konf	Acute Tox 4; H302 Acute Tox 4; H312 Acute Tox 4; H332 Skin Irrit 2; H315 Eye Dam 1; H318 Skin Sens 1; H317		1-5

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	Wash skin with soap and water. Seek medical attention if irritation persists.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Contact doctor if problem persists.
Ingestion	Do not induce vomiting. Drink two glasses of water or milk. Contact a doctor.
Medical information	Read also the MSDS for the hardener. Redhead and fair people are generally more susceptible to developing epoxy allergy.
Health control	According to AFS 2014:43.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation to eyes, skin and mucous membranes.
 . May cause allergy from repeated contact with the skin.

4.3 Indication of any immediate medical attention and special treatment needed

No specific treatment. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Foam, carbon dioxide and powder.

5.2 Special hazards arising from the substance or mixture

In the event of fire, harmful and toxic gases may develop.

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part A

Continued from last page

Internal code: 2091

Revision date: 26/3/2019

5.3 Advice for firefighters

A breathing apparatus is necessary for protection against poisonous gasses.

Additional information

Containers near fire should be moved immediately or cooled with water. Avoid inhalation of smoke from the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear proper protective equipment recommended in section 8. Keep people and animals away from contaminated areas.
Remove all ignition sources. No smoking, flares, sparks or flames nearby. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent entry into drains.

6.3 Methods and material for containment and cleaning up

Absorb with suitable material.
Product remains must be delivered to the local terminal for dangerous waste.

6.4 Reference to other sections

Wear proper protective equipment recommended in section 8. Dispose of waste according to section 13.

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. Ensure good ventilation. Avoid contact with eyes, skin and clothes.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep away from oxidizing substances and strong acids and bases.

7.3 Specific end use(s)

Refer to technical data sheet available on request.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients	EC nr	CAS nr	8 hour		Short		Ref.	Note	Year
			mg/m ³	ppm	mg/m ³	ppm			
Silver (Ag)	231-131-3	7440-22-4	0.01				NGV	2	

8.2 Exposure controls

Exposure controls

The work place and work methods must be designed so that long-term contact with compound is avoided. Mechanical ventilation and point evacuation can be necessary. Eyewash facilities should be available at the work place.

Respiration protection

At high concentrations use breathing equipment supplied with fresh air.

Eye protection

Ved risiko for direkte kontakt eller stænk brugt øjne og ansigt.

Hand protection

If there is a risk of direct contact or splashes, protective gloves must be worn. Neoprene gloves.
Protective cream is recommended.

Skin protection

Protective clothing should be worn in case of risk of direct contact or splashes. Workwear with plastic apron.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Paste
Colour	Silver
Odour	Mild
Flash point	> 93°C
Vapour density	> 1
Relative density	>2,5
Solubility	Insoluble
Solubility water	Insoluble
Viscosity	70.000 cPs LV=30.000 cPs
Rel. avdunstn.hastighet	< 1 (BuAc=1)

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part A

Continued from last page

Internal code: 2091

Revision date: 26/3/2019

°C

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

10.4 Conditions to avoid

10.5 Incompatible materials

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

Swallowing causes stinging in the mouth and gullet, sick feeling and stomach pain.

LD50 dermal

3.000 mg/kg

Skin corrosion/irritation

Skin contact can cause irritation. Frequent exposure may lead to extreme sensitivity and allergic reactions. Frequent or prolonged contact may remove natural oils and dry out the skin, and cause discomfort and dermatitis.

Serious eye damage/ irritation

Contact with the eyes causes stinging and irritation.

Respiratory or skin sensitisation

Allergenic upon contact with skin.

Aspiration hazard

Inhalation of high concentrations can cause headaches, dizziness, fatigue and nausea.

Additional information

May cause contact allergy. Epoxy allergy is painful and if it occurs it can become a lifelong problem in work and leisure. Grinding dust can also cause sensitization. After mixing of the two components the product hardens. After the curing the health hazard is greatly reduced. Also read the MSDS for the hardener.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

The product contains a substance that can cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

The product is not biologically degradable.

12.3 Bioaccumulative potential

12.4 Mobility in soil

The product is not soluble in water.

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

Additional information

Do not empty in sewers or other water drains. Do not empty or deposited in places where the groundwater can be affected. Bisfenol A and Bisfenol F based liquid epoxy resins as well as many reactive thinners are classified as dangerous for the environment by the Association of Plastic Manufacturers in Europe.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal group

EWC code: 08 04 09.

Packings

Dispose of in accordance with local regulations.

Additional information

Dispose of this material and its container to hazardous or special waste collection point.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

3082

14.2 UN proper shipping name

SAFETY DATA SHEET

EPO-TEK EJ2189 (LV) Part A

Continued from last page

Internal code: 2091

Revision date: 26/3/2019

Item name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)	
Label	9: Various dangerous substances and objects.
ADR/RID class	9: Various dangerous substances and objects.
ADR/RID classification code	M6: Environmentally harmful substances. Liquid substances that pollute the aquatic environment.
ADR/RID danger number	90: Environmentally harmful substance; various dangerous substances.
ADR/RID free quantity	5L
IMDG class	9
IMDG marine pollutant	ja
IATA class	9
14.4 Packing group	
14.5 Environmental hazards	Very toxic to aquatic life with long lasting effects.
14.6 Special precautions for user	

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. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R-22 Harmful if swallowed. R-36/38 Irritates eyes and skin. R-37 Irritating to respiratory system. R-38 Irritating to skin. R-41 Risk of serious damage to eyes. R-43 May cause sensitization by skin contact. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Safety Data Sheet prepared from data obtained from the manufacturer.
Key literature references and sources for data	
First released	2.5.2011

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