## according to Annex II to REACH - Regulation 2015/830

Revision nr. 8 Printed on 16/05/2019

Dated 15/05/2019 Replaced revision: 7 (Dated 21/08/2017)



## TRADE NAME: POINT 416 POLY FIX / COMP A

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

#### 1.1 Product identifier

Code: **M300000F** 

Product name POINT POLY FIX COMP A

Chemical name and synonym Mastic based polyester resin unsaturated

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

Intended use Bi-component injection system for chemical anchor

construction materials.

## 1.3 Details of the supplier of the safety data sheet

# Manufacturer/Supplier:

JSC TEGRA STATE Kirtimų str. 67 LT-02244 Vilnius Tel./fax +370 5 266 11 67

E-post: info@tegra.lt

Internet: www.tegra.lt, www.tegrastate.lt

Further information obtainable from: info@tegra.lt

**1.4 Emergency telephone number:** In case of emergency, consult physician.

# **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU)

Regulation 2015/830 Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2

Skin irritation, category 2

H319

Causes serious eye irritation.

Causes skin irritation.

Skin sensitization, category 1 H317 May cause an allergic skin reaction.

Hazardous to the aquatic

environment, chronic H412 Harmful to aquatic life with long lasting effects.

toxicity, category 3

## 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:







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## TRADE NAME: POINT 416 POLY FIX / COMP A

Signal words: Warning

Hazard statements:

**H319** Causes serious eye irritation. **H315** Causes skin irritation.

**H317** May cause an allergic skin reaction.

**H412** Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**P280** Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: wash with plenty of water / ...

**P333+P313** If skin irritation or rash occurs: Get medical advice / attention.

**P501** Dispose of contents/container in accordance with national regulations.

**Contains:** 2-Hydroxyethyl methacrylate

#### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

# **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

2-Hydroxyethyl methacrylate

CAS 868-77-9  $5 \le x < 11$  **Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317,** 

Classification note according to Annex VI to the CLP

**Regulation: D** 

EC 212-782-2 INDEX 607-124-00-X Reg. no. 01-2119490169-29

Vinyltoluene

CAS 2 5013-15-4  $5 \le x < 9$  Flam. Liq. 3 H226, Acute Tox. 4 H332, Asp. Tox. 1 H304,

Eye Irrit. 2 H319,

Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1,

**Aquatic Chronic 2 H411** 

EC 246-562-2

**INDEX** 

Reg. no. 01-2119622074-50

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Quartz (SiO2) - CAS 14808-60-7 - C%: >=50 - <80:

The quartz contained in the product is classified as non-hazardous. Furthermore, being linked to the other liquid / pasty components of the mixture, it is not freely available during use. The final product has a pasty consistency and the limits of exposure to inhalable dusts are not relevant.





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## TRADE NAME: POINT 416 POLY FIX / COMP A

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problempersists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

## 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

## 4.3. Indication of any immediate medical attention and special treatment needed

Information not available

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EOUIPMENT

None in particular.

## 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

### 5.3. Advice for firefighters

**GENERAL INFORMATION** 

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water o prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

## SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots(HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).



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## TRADE NAME: POINT 416 POLY FIX / COMP A

# **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in whichpeople eat. Avoid leakage of the product into the environment.

## 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

Store in a well ventilated place, storage range temperature between 5°C and 30°C. Keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition. Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity.

### 7.3. Specific end use(s)

Information not available



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# TRADE NAME: POINT 416 POLY FIX / COMP A

# **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

Regulatory References: TLV-ACGIH ACGIH 2018

			2-Hydrox	yethyl meth	acrylate				
Predicted r	o-effect con	centration -	PNEC						
Normal value in fresh water						0,482	mg/l		
Normal value in marine water						0,482	mg/l		
Normal value for fresh water sediment						3,79	mg/kg/d		
Normal value for marine water sediment						3,79	mg/kg/d		
Normal value for water, intermittent release						1	mg/l		
Normal value of STP microorganisms						10	mg/l		
Normal value for the terrestrial compartment						0,476	mg/kg/d		
Health - De	rived no-eff	ect level - DN	IEL / DMEL						
	Effects on consumers					Effects on workers			
Route of exposure	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic	
	local	systemic	local	systemic		systemic	local	systemic	
Oral				0,83 mg/kg bw/d					
Inhalation				2,9 mg/m <sup>3</sup>				4,9 mg/m³	
Skin				0,83 mg/kg/d				1,3 mg/kg	
								bw/d	

Vinyltoluene							
Threshold Limit Value							
Туре	Country	TWA/8h	STEL/15min				
		mg/m³	ppm	mg/m³	ppm		
TLV-ACGIH			50		100		

# Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

## Quartz (SiO2):

The quartz contained in the product is classified as non-hazardous. Furthermore, being linked to the other liquid / pasty components of the mixture, it is not freely available during use. The final product has a pasty consistency and the limits of exposure to inhalable dusts are not relevant.



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#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### **EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in complianc with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### **ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

# **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

**Appearance** paste Colour cream Odour characteristic Odour threshold Not available Not available рΗ Melting point / freezing point Not available Initial boiling point Not available Not available **Boiling range** Flash point Not available



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**Evaporation Rate** Not available Flammability of solids and gases Not available Lower inflammability limit Not available Upper inflammability limit Not available Lower explosive limit Not available Upper explosive limit Not available Not available Vapour pressure Vapour density Not available Relative density 1,60 - 1,80 kg/l Solubility insoluble in water Partition coefficient: n-octanol/water Not available Auto-ignition temperature Not available Decomposition temperature Not available Not available Viscosity **Explosive properties** Not available Oxidising properties Not available

#### 9.2. Other information

Information not available

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

## 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

To avoid the exposure on the sunlight.

# 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

# 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

### 10.5. Incompatible materials

Information not available

## 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.



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## TRADE NAME: POINT 416 POLY FIX / COMP A

# **SECTION 11: Toxicological information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

## 11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

**ACUTE TOXICITY** 

LC50 (Inhalation) of the mixture: > 20 mg/l

LD50 (Oral) of the mixture:

Not classified (no significant component)

LD50 (Dermal) of the mixture:

Not classified (no significant component)

2-Hydroxyethyl methacrylate

LD50 (Oral) 5564 mg/kg RAT LD50 (Dermal) > 5000 mg/kg RBT

Vinyltoluene

 LD50 (Oral)
 3680 mg/kg RAT

 LD50 (Dermal)
 > 4990 mg/kg RBT

 LC50 (Inhalation)
 3535 ppm/4h RAT

**SKIN CORROSION / IRRITATION** 

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

**RESPIRATORY OR SKIN SENSITISATION** 

Sensitising for the skin

**GERM CELL MUTAGENICITY** 

Does not meet the classification criteria for this hazard class

**CARCINOGENICITY** 

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class



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## TRADE NAME: POINT 416 POLY FIX / COMP A

#### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

### **ASPIRATION HAZARD**

Does not meet the classification criteria for this hazard class

# **SECTION 12: Ecological information**

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

#### 12.1. Toxicity

2-Hydroxyethyl methacrylate

LC50 - for Fish > 100 mg/l/96h (OECD TG 203)

 $EC50 - for Crustacea > 380 \ mg/l/48h \\ EC50 - for Algae / Aquatic Plants 836 \ mg/l/72h$ 

Chronic NOEC for Fish < 100 mg/l (OECD TG 211)

Chronic NOEC for Crustacea 24,1 mg/l
Chronic NOEC for Algae / Aquatic Plants 400 mg/l 72 h

Vinyltoluene

 LC50 - for Fish
 5,2 mg/l/96h

 EC50 - for Crustacea
 9,3 mg/l/48h

 EC50 - for Algae / Aquatic Plants
 0,319 mg/l/72h

 EC10 for Algae / Aquatic Plants
 0,25 mg/l/72h

## 12.2. Persistence and degradability

2-Hydroxyethyl methacrylate

Rapidly degradable Readily biodegradable in water.

Vinyltoluene

NOT rapidly degradable

### 12.3. Bioaccumulative potential

2-Hydroxyethyl methacrylate

Partition coefficient: n-octanol/water 0,42 Log Kow

Vinyltoluene

Partition coefficient: n-octanol/water 3,44 Log Kow

#### 12.4. Mobility in soil

Information not available

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects

Information not available



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## TRADE NAME: POINT 416 POLY FIX / COMP A

## **SECTION 13: Disposal considerations**

Non-hardened material (such as expired or damaged products and/or rejects): e.g. 08 04 09\* Glue and sealing materials waste containing organic solvents or other dangerous substances

Hardened material, e.g.:

08 04 10 Glue and sealing materials waste or other dangerous substances, other than classified under 08 04 09.

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

15 01 10\* Packaging containing residues of or contaminated by dangerous substances

#### 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

**CONTAMINATED PACKAGING** 

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14: Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number

Not applicable

# 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

## 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant



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## TRADE NAME: POINT 416 POLY FIX / COMP A

# **SECTION 15: Regulatory information**

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

Seveso Category - Directive 2012/18/EC: None

 $\underline{Restrictions \, relating \, to \, the \, product \, or \, contained \, substances \, pursuant \, to \, Annex \, XVII \, to \, EC \, Regulation \, 1907/2006}$ 

**Product** 

Point 3

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

## 15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

## **SECTION 16: Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3

Acute Tox. 4

Asp. Tox. 1

Eye Irrit. 2

Skin Irrit. 2

Skin Sens. 1

Flammable liquid, category 3

Acute toxicity, category 4

Aspiration hazard, category 1

Eye irritation, category 2

Skin irritation, category 2

Skin sensitization, category 1

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

**H226** Flammable liquid and vapour.

H332 Harmful if inhaled.

**H304** May be fatal if swallowed and enters airways.

**H319** Causes serious eye irritation.

**H315** Causes skin irritation.

**H317** May cause an allergic skin reaction.

**H400** Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.H412 Harmful to aquatic life with long lasting effects.





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## TRADE NAME: POINT 416 POLY FIX / COMP A

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

### **GENERAL BIBLIOGRAPHY**

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy



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# TRADE NAME: POINT 416 POLY FIX / COMP A

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

03.



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## TRADE NAME: POINT 416 POLY FIX / COMP B

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

1.1. Product identifier

Code: **M2000022F** 

Product name Chemical name and synonym POINT POLY FIX COMP B Mastic based peroxide

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

Intended use Bi-component injection system for chemical

anchor on construction materials.

1.3. Details of the supplier of the safety data sheet

JSC TEGRA STATE Kirtimų str. 67 LT-02244 Vilnius Tel./fax +370 5 266 11 67

E-post: info@tegra.lt

Internet: www.tegra.lt, www.tegrastate.lt

Further information obtainable from: info@tegra.lt

**1.4.** Emergency telephone number: In case of emergency, consult physician.

## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in(EC) Regulation 1272/2008 (CLP) (and subsequent amendment and supplements). The product thus requires a safety datasheet that\complies with the provisions of (EU) Regulation 2015/830.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eye irritation.
Skin sensitization, category 1 H317 May cause an allergic skin reaction.

### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.H317 May cause an allergic skin reaction.



## according to Annex II to REACH - Regulation 2015/830

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## TRADE NAME: POINT 416 POLY FIX / COMP B

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

**P102** Keep out of reach of children.

**P280** Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: wash with plenty of water / ...

**P333+P313** If skin irritation or rash occurs: Get medical advice / attention.

**P501** Dispose of contents/container in accordance with national regulations.

Contains: Dibenzoyl peroxide

#### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

Dibenzoyl peroxide

CAS 94-36-0  $11 \le x < 17$  **Org. Perox B H241, Eye Irrit. 2 H319,** 

Skin Sens. 1 H317, Aquatic Acute

1 H400 M=10, Aquatic Chronic 1 H410 M=10

EC 202-327-6 INDEX 617-008-00-0 Reg. no. 01-2119511472-50

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Quartz (SiO2) - CAS 14808-60-7 - C%: >=50 - <80: The quartz contained in the product is classified as non-hazardous. Furthermore, being linked to the other liquid / pasty components of the mixture, it is not freely available\ during use. The final product has a pasty consistency and the limits of exposure to inhalable dusts are not relevant.

# **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.



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#### 4.3. Indication of any immediate medical attention and special treatment needed

Information not available

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

### 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

## 5.3. Advice for firefighters

**GENERAL INFORMATION** 

Use jets of water to cool the containers to prevent product decomposition. and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

## 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.



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# **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Store in a well ventilated place, storage range temperature between 5°C and 30°C. Keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition. Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity.

## 7.3. Specific end use(s)

Information not available



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# **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

**Regulatory References:** 

TLV-ACGIH ACGIH 2018

	Dibenzoyl peroxide									
Threshold Limit Value										
Туре	С	Country TWA/8h STEL/15min								
		n	ng/m³ pp	om m	ng/m³	ppm				
TLV-ACGIH			5							
Predicted no-effect concentration - PNEC										
Normal value in fresh water 0,00002 mg/l										
Normal value in marine water 0,000002 mg/l										
Normal value for fresh water sediment 0,0127 mg/kg/d								g/kg/d		
Normal value for marine water sediment 0,00127 mg/kg/d										
Normal value for water, intermittent release 0,000602 mg/l								ng/l		
Normal value of STP microorganisms 0,35 mg/l										
Normal value for the terrestrial compartment 0,0025 mg/kg/d										
Health - De	rived no-eff	ect level - DI	NEL / DMEL							
Effects on consumers							Effects on workers			
Route of exposure	Acute	Acute	Chronic	Chronic	'	cute ocal	Acute	Chronic	Chronic	
	local	systemic	local	systemic			systemic	local	systemic	
Oral				2 mg/kg bw/d						
Inhalation									39 mg/m³	
Skin									13,3 mg/kg bw/d	

#### Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

### Quartz (SiO2):

The quartz contained in the product is classified as non-hazardous. Furthermore, being linked to the other liquid / pasty components of the mixture, it is not freely available during use. The final product has a pasty consistency and the limits of exposure to inhalable dusts are not relevant.

### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.



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When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS** 

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

**Appearance** paste Colour black Odour characteristic Odour threshold Not available Not available Melting point / freezing point Not available Initial boiling point Not available Boiling range Not available Flash point Not available **Evaporation Rate** Not available Flammability of solids and gases Not available Lower inflammability limit Not available Upper inflammability limit Not available Lower explosive limit Not available Upper explosive limit Not available Vapour pressure Not available Vapour density Not available Relative density 1,50 - 1,70 kg/l





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Solubility
Partition coefficient: n-octanol/water
Not available
Auto-ignition temperature
Not available
Decomposition temperature
Viscosity
Not available
Explosive properties
Not available
Oxidising properties
Not available

#### 9.2. Other information

Ossigeno attivo (%) < 1

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Information not available

### 10.2. Chemical stability

The product is stable if stored in original containers at temperatures lower than the self accelerated decomposition temperature (SADT).

To avoid the exposure on the sunlight.

### 10.3. Possibility of hazardous reactions

Information not available

## 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition. Avoid transferring into containers that may have been contaminated with other substances. Avoid storing close to inflammable or combustible products.

## 10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

# 10.6. Hazardous decomposition products

Thermal decomposition can lead to the formation of explosive peroxides or other potentially hazardous substances.

# **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure Information not available



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Interactive effects

Information not available

**ACUTE TOXICITY** 

LC50 (Inhalation) of the mixture:

LD50 (Oral) of the mixture:

Not classified (no significant component)

Not classified (no significant component)

Not classified (no significant component)

Dibenzoyl peroxide

 $LD50 (Oral) > 2000 \, mg/kg \, RAT \\ LC50 (Inhalation) > 24,3 \, mg/l/4h \, RAT$ 

**SKIN CORROSION / IRRITATION** 

Does not meet the classification criteria for this hazard class

**SERIOUS EYE DAMAGE / IRRITATION** 

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

**GERM CELL MUTAGENICITY** 

Does not meet the classification criteria for this hazard class

**CARCINOGENICITY** 

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

**STOT - SINGLE EXPOSURE** 

Does not meet the classification criteria for this hazard class

**STOT - REPEATED EXPOSURE** 

Does not meet the classification criteria for this hazard class

**ASPIRATION HAZARD** 

Does not meet the classification criteria for this hazard class

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Dibenzoyl peroxide

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

EC10 for Crustacea

Chronic NOEC for Fish

Chronic NOEC for Algae / Aquatic Plants

> 0,0602 mg/l/96h (OECD TG 203)

> 0,11 mg/l/48h (OECD TG 202)

> 0,0711 mg/l/72h (OECD TG 201)

> 0,001 mg/l/28d (OECD TG 211)

> 0,0316 mg/l 96 h

> 0,02 mg/l 72 h



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mixture/product

LC50 - Fish> 100 mg / I / 96h fish (OECD TG 203)

EC50 - Crustaceans > 100 mg / I / 48h daphia magna (OECD TG 202)

EC50 - Algae / Aquatic Plants > 100 mg / I / 72h algae - Pseudokirchneriella subcapitata (OECD TG 201 Acute and

Chronic)

NOEC Chronic Fish> 100 mg / I / 28 d fish, Juvenile Growth Test (OECD TG 215).

## 12.2. Persistence and degradability

Dibenzoyl peroxide

Rapidly degradable 71% in water 28 d (OECD TG 301 D)

### 12.3. Bioaccumulative potential

Dibenzoyl peroxide

Partition coefficient: n-octanol/water 3,2 Log Kow (OECD TG 117)

#### 12.4. Mobility in soil

Dibenzoyl peroxide

Partition coefficient: soil/water 3,8 (OECD TG 121)

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects

Information not available

# **SECTION 13: Disposal considerations**

Non-hardened material (such as expired or damaged products and/or rejects): e.g.

08 04 09\* Glue and sealing materials waste containing organic solvents or other dangerous substances

Hardened material, e.g.:

08 04 10 Glue and sealing materials waste or other dangerous substances, other than classified under 08 04 09.

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

15 01 10\* Packaging containing residues of or contaminated by dangerous substances

# 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.



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# **SECTION 14: Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number

Not applicable

## 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

# **SECTION 15: Regulatory information**

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

Seveso Category - Directive 2012/18/EC:

None

 $\frac{Restrictions \, relating \, to \, the \, product \, or \, contained \, substances \, pursuant \, to \, Annex \, XVII \, to \, EC \, Regulation \, 1907/2006 \, Product$ 

Point

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None



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Substances subject to the Stockholm Convention:

None

#### Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

### 15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

# **SECTION 16: Other information**

Text of hazard (H) indications mentioned in section 2-3 sheet:

Org. Perox BOrganic peroxide, category BEye Irrit. 2Eye irritation, category 2Skin Sens. 1Skin sensitization, category 1

**Aquatic Acute 1** Hazardous to the aquatic environment, acute toxicity, category 1 **Aquatic Chronic 1** Hazardous to the aquatic environment, chronic toxicity, category 1

**H241** Heating may cause a fire or explosion.

H319 Causes serious eye irritation.H317 May cause an allergic skin reaction.

**H400** Very toxic to aquatic life.

**H410** Very toxic to aquatic life with long lasting effects.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.



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- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

### Changes to previous review:

The following sections were modified:

05.

