

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2015/830

DGE00 (SINTO ST-PES)

Bi-component injection system for chemical anchor on construction materials
Mastic based polyester resin unsaturated

Revision n. **02**

Dated **23/02/2021**

Printed on **23/02/2021**

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Replaced revision: 01

(Dated: 10/02/2019)



1 - Identification of the substance/mixture and of the company/undertaking

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

Use of substance / mixture: Bi-component injection system for chemical anchor on construction materials

1.3. Details of the supplier of the safety data sheet

Company name: Tecfi S.p.A.
Address: S.S.Appia km 193
81050 Pastorano (CE) - Italia - tel. 0823 88 3338 - fax 0823 - 883260
e-mail: rdc@tecfi.it

1.4. Emergency telephone number

Osp. NIGUARDA CA' GRANDA – Milano 02/66101029
CAV Policlinico "A. Gemelli" - Roma 06/3054343
Osp. "A. Cardarelli" - Napoli 081/7472870

2. Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: STOT RE 2: H373; Eye Irrit. 2: H319; Repr. 2: H361d; Skin Sens. 1: H317

Most important adverse effects: May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging the unborn child. May cause damage to organs [ears] through prolonged or repeated exposure [inhalation (vapour)].

Hazard statements:

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs ([ears]) through prolonged or repeated exposure ([inhalation (vapour)])

2.2. Label elements

UFI: KQVT-G4R4-U00A-4X69

Hazard pictograms



GHS07
Exclamation mark



GHS08
Health hazard

Signal words: Warning

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Hazard statements:

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H373	May cause damage to organs [ears] through prolonged or repeated exposure [inhalation (vapour)]
H361d	Suspected of damaging the unborn child

Precautionary statements:

P202	Do not handle until all safety precautions have been read and understood
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of water/soap/ . . .
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+313	IF exposed or concerned: Get medical advice/attention
P314	Get medical advice/attention if you feel unwell

2.1. Other hazards

This product is not identified as a PBT/vPvB substance

3. Composition/information on ingredients

3.2. Mixtures

STYRENE - REACH registered number(s): 01-2119457861-32

EINECS	CAS	PBT / WEL	Classificazione (CLP)	Percento
202-851-5	100-42-5	-	Flam. Liq. 3: H226; Repr. 2: H361d; Acute Tox. 4: H332; STOT RE 1: H372; Skin Irrit. 2: H315; Eye Irrit. 2: H319	< 10%

DIBENZOYL PEROXIDE - REACH registered number(s): 01-2119511472-50-XXXX

202-327-6	94-36-0	-	Skin Sens. 1: H317; Org. Perox. B: H241; Eye Irrit. 2: H319	1-3%
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4. First aid measures

4.1. Description of first aid measures

SKIN CONTACT: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

EYE CONTACT: Bathe the eye with running water for 15 minutes. Consult a doctor.

INGESTION: Wash out mouth with water. Consult a doctor.

INHALATION: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

SKIN CONTACT: There may be irritation and redness at the site of contact.

EYE CONTACT: There may be irritation and redness. The eyes may water profusely.

INGESTION: There may be soreness and redness of the mouth and throat.

INHALATION: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

DELAYED / IMMEDIATE EFFECTS: Immediate effects can be expected after short-term exposure.

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

IMMEDIATE / SPECIAL TREATMENT: Eye bathing equipment should be available on the premises.

5. Fire-fighting measures

5.1. Extinguishing media

EXTINGUISHING MEDIA: Suitable extinguishing media for the surrounding fire should be used

5.2. Special hazards arising from the substance or mixture

EXPOSURE HAZARDS: In combustion emits toxic fumes

5.3. Advice for fire-fighters

ADVICE FOR FIRE-FIGHTERS: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

6.2. Environmental precautions

Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

CLEAN-UP PROCEDURES: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Refer to section 8 of SDS

7. Handling and storage

7.1. Precautions for safe handling

HANDLING REQUIREMENTS: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air

7.2. Conditions for safe storage, including any incompatibilities

STORAGE CONDITIONS: Store in a cool, well ventilated area. Keep container tightly closed.
SUITABLE PACKAGING: Must only be kept in original packaging.

7.3. Specific end use(s)

No data available

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8. Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients: STYRENE

Workplace exposure limits: Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	430 mg/m ³	1080 mg/m ³		

DIBENZOYL PEROXIDE

UK	5 mg/m ³	-	-	-
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DNEL / PNEC Values

Hazardous ingredients:

DIBENZOYL PEROXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	39 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	13.3 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	34 µg/cm ²	Workers	Local
DNEL	Oral (repeated dose)	2 mg/kg bw/day	General Population	Systemic

ENGINEERING MEASURES: Ensure there is sufficient ventilation of the area.

RESPIRATORY PROTECTION: Self-contained breathing apparatus must be available in case of emergency. Gas/vapour filter, type A: organic vapours (EN141).

HAND PROTECTION: Protective gloves. Wear solvent proof gloves. Nitrile gloves. Rubber gloves. Recommended thickness of material >0.4 mm. Breakthrough time of the glove material > 8 hours. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

EYE PROTECTION: Safety glasses. Ensure eye bath is to hand.

SKIN PROTECTION: Protective clothing.

ENVIRONMENTAL: Ensure all engineering measures mentioned in section 7 of SDS are in place.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Paste
Colour	Various
Odour	Characteristic odour
Solubility in water.	Insoluble
Relative density	1,67

9.2. Other information

VOC	2,74 g/l
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Solid suspension - classified as non-flammable according to results from Test N.1 test method for readily combustible solids.

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10. Stability and reactivity

10.1. Reactivity

REACTIVITY: Stable under recommended transport or storage conditions.

10.2. Chemical stability

CHEMICAL STABILITY: Stable under normal condition

10.3. Possibility of hazardous reactions

HAZARDOUS REACTIONS: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

MATERIALS TO AVOID: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

HAZARDOUS DECOMPOSITION PRODUCTS: In combustion emits toxic fumes.

11. Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

STYRENE

IVN	MUS	LD50	90 mg/kg
ORL	MUS	LD50	316 mg/kg
ORL	RAT	LD50	2650 mg/kg

DIBENZOYL PEROXIDE

ORL	MUS	LD50	5700 mg/kg
VAPOURS	RAT	LD50	7710 mg/kg

Relevant hazards for product

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
Reproductive toxicity	-	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

SKIN CONTACT: There may be irritation and redness at the site of contact

EYE CONTACT: There may be irritation and redness. The eyes may water profusely.

INGESTION: There may be soreness and redness of the mouth and throat.

INHALATION: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

DELAYED / IMMEDIATE EFFECTS: Immediate effects can be expected after short-term exposure.

OTHER INFORMATION: Not applicable.

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12. Ecological information

12.1. Toxicity.

Ecotoxicity values: Grey Catalystr Comp B

Specie	Prova	Valore	Unità
FISH	48H	EC50	>7 mg/l
Daphnia magna	48H	EC50	>11 mg/l
FISH	96H	LC50	>100 mg/l
ALGAE	72H	ErC50	> 60 mg/l

Hazardous ingredients: DIBENZOYL PEROXIDE

Specie	Prova	Valore	Unità
ALGAE	72H	ErC50	0.0711 mg/l
Daphnia magna	48H	EC50	0.110 mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H	LC50	0.0602 mg/l

12.2. Persistence and degradability

Biodegradable

12.3. Bioaccumulative potential

No bioaccumulation potential

12.4. Mobility in soil

Insoluble in water. Heavier than water

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6. Other adverse effects

Negligible ecotoxicity

13. Disposal considerations

DISPOSAL OPERATIONS: Transfer to a suitable container and arrange for collection by specialised disposal company.

WASTE CODE NUMBER: 08 04 09

DISPOSAL OF PACKAGING: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

TRANSPORT CLASS: This product does not require a classification for transport

15. Regulatory information

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

SPECIFIC REGULATIONS: Not applicable.

15.2. Chemical Safety Assessment

CHEMICAL SAFETY ASSESSMENT: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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16. Other information

OTHER INFORMATION: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.:

Active Oxygen Content of Catalyst Component 0.99%

Phrases used in s.2 and s.3:

H226	Flammable liquid and vapour
H242	Heating may cause a fire
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H361d	Suspected of damaging the unborn child
H372	PCauses damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

LEGAL DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.