

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: TWS-GCP
Product name: **FASTCOAT 2 Part Green Concrete PRIMER Part A, HARDENER**

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

Intended use: **Hardener component of epoxy resin primer for TWS Fastcoat system.**

1.3. Details of the supplier of the safety data sheet

Name: **TRITON SYSTEMS**
Full address: **3-5 Crayford Commercial Centre, Greyhound way, Crayford**

District and Country

Tel. **01322 318830**

e-mail address of the competent person responsible for the Safety Data Sheet: info@tritonsystems.co.uk

1.4. Emergency telephone number

For urgent inquiries refer to: **United Kingdom
999/112 emergency
111 non-emergency medical number**

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:

Serious eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms:



Signal words: **Danger**

Hazard statements:

H318 Causes serious eye damage.
H315 Causes skin irritation.

TRITON SYSTEMS

FASTCOAT 2 Part Green concrete Primer part A hardener

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Page n. 2 / 12
Replaced revision:5 (Dated 21/10/2020)

EN

SECTION 2. Hazards identification ... / >>

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Precautionary statements:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear protective gloves / eye protection / face protection.
P310 Immediately call a POISON CENTER.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P264 Wash thoroughly after handling.
P362+P364 Take off contaminated clothing and wash it before reuse.

Contains: 2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL POLYMER WITH (CHLOROMETHYL)OXIRANE
FORMALDEHYDE POLYMER WITH
N1-(2-AMINOETHYL)-N2-[2-[(2-AMINOETHYL)AMINO]ETHYL]-1,2-ETHANEDIAMINE,
2,2'-[1,4-BUTANEDIYLBIS(OXYMETHYL)
3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE
TETRAETHYLENAPENTAMINE, MIXED ISOMERS
3-AMINOPROPYLTRIETHOXSILANE
M-PHENYLENEBIS (METHYLAMINE)

VOC (Directive 2004/42/EC) :

Two - pack performance coatings.

VOC given in g/litre of product in a ready-to-use condition :

27,59

Limit value:

140,00

- Catalysed with :

100,00 %

GC PRIMERcomp. B

- Thinned with :

15,00 %

WATER

2.3. Other hazards

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

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

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

2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL POLYMER WITH (CHLOROMETHYL)OXIRANE

CAS 955016-13-4 5 \leq x < 9

Acute Tox. 4 H302, Eye Dam. 1 H318

EC 639-499-0

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MICA

CAS 12001-26-2 5 \leq x < 9

STOT RE 2 H373

EC 601-648-2

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POLYAMINE ADDUCT

CAS 5 \leq x < 9

Aquatic Chronic 2 H411

EC

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FORMALDEHYDE POLYMER WITH N1-(2-AMINOETHYL)-N2-[2-[(2-AMINOETHYL)AMINO]ETHYL]-1,2-ETHANEDIAMINE,

2,2'-[1,4-BUTANEDIYLBIS(OXYMETHYL)

CAS 180583-06-6 2,5 \leq x < 3

Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC

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SECTION 3. Composition/information on ingredients ... / >>**3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE**CAS 2855-13-2 $1 \leq x < 1,5$ **Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Chronic 3 H412**

EC 220-666-8

INDEX 612-067-00-9

Reg. no. 01-2119514687-32

M-PHENYLENEBIS (METHYLAMINE)CAS 1477-55-0 $0,89 \leq x < 1$ **Acute Tox. 4 H302, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Chronic 3 H412, EUH071**

EC 216-032-5

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Reg. no. 01-2119480150-50

3-AMINOPROPYLTRIEHOXYSILANECAS 919-30-2 $0,607 \leq x < 0,707$ **Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317**

EC 213-048-4

INDEX 612-108-00-0

Reg. no. 01-2119480479-24

TETRAETHYLENEPENTAMINE, MIXED ISOMERSCAS 90640-66-7 $0,15 \leq x < 0,2$ **Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1B H317, Aquatic Chronic 2 H411**

EC 292-587-7

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Reg. no. 01-2119487290-37

AMMONIACAS 1336-21-6 $0 \leq x < 0,05$ **Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 M=1, Classification note/notes according to Annex VI to the CLP Regulation: B**

EC 215-647-6

INDEX 007-001-01-2

Reg. no. 01-2119488876-14

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

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

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

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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 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.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
EU	OEL EU	
	TLV-ACGIH	ACGIH 2020

M-PHENYLENEBIS (METHYLAMINE)

Threshold Limit Value

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
VLEP	FRA			0,1		
TLV-ACGIH				0,018 (C)		SKIN

SECTION 8. Exposure controls/personal protection ... / >>

AMMONIA

Threshold Limit Value

Type	Country	TWA/8h		Remarks / Observations	
		mg/m3	ppm		
OEL	EU	14	20	36	50
TLV-ACGIH		17	25	24	35

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

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 Regulation 2016/425 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 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

Properties	Value	Information
Appearance	liquid	
Colour	white	
Odour	ammoniacal	
Odour threshold	Not available	
pH	11	
Melting point / freezing point	Not available	
Initial boiling point	100 °C	
Boiling range	Not available	
Flash point	> 100 °C	
Evaporation Rate	Not available	
Flammability of solids and gases	not applicable	
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	1,6 g/cm3	Temperature:20°C
Solubility	partially soluble in water	
Partition coefficient: n-octanol/water	Not applicable	

SECTION 9. Physical and chemical properties ... / >>

Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
Viscosity	50000 mPa*s	Temperature:20°C
Explosive properties	not expected	
Oxidising properties	not expected	

9.2. Other information

Total solids (250°C / 482°F)	68,22 %	
VOC (Directive 2004/42/EC) :	1,88 % - 30,00	g/litre
VOC (volatile carbon) :	< 0.01 % - 0,01	g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

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

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Corrodes: aluminium,iron,zinc,copper,copper- alloys.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

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Risk of explosion on contact with: strong acids,iodine.May react dangerously with: strong bases.

10.4. Conditions to avoid

None in particular. However, the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

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Incompatible with: silver,silver salts,lead,lead salts,zinc,zinc salts,hydrochloric acid,nitric acid,oleum,halogens,acrolein,nitromethane,acrylic acid.

10.6. Hazardous decomposition products

AMMONIA

May develop: nitric oxide.

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 _____

SECTION 11. Toxicological information ... />>

ATE (Inhalation) of the mixture: Not classified (no significant component)
ATE (Oral) of the mixture: >2000 mg/kg
ATE (Dermal) of the mixture: >2000 mg/kg

Corrosive to the respiratory tract.

2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL POLYMER WITH (CHLOROMETHYL)OXIRANE
LD50 (Oral) > 500 mg/kg

TETRAETHYLENAPENTAMINE, MIXED ISOMERS
LD50 (Oral) 1716 mg/kg
LD50 (Dermal) 1465 mg/kg

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE
LD50 (Oral) 1030 mg/kg OECD Guideline 401, Rat
LD50 (Dermal) > 2000 mg/kg OECD Guideline 402, Rat
LC50 (Inhalation) > 5,01 mg/l/4h OECD Guideline 403, Rat

3-AMINOPROPYLTRIETHOXYSILANE
LD50 (Oral) 1491 mg/kg EPA OTS 798.1175, Rat - Sprague-Dawley, 1,57 mL/kg
LD50 (Dermal) 4076 mg/kg EPA OTS 798.1100, Rabbit, New Zealand White, 4.29 mL/kg
LC50 (Inhalation) > 5 ppm/4h OECD Guideline 403, Rat - Wistar

AMMONIA
LD50 (Oral) 350 mg/kg Rat

M-PHENYLENEBIS (METHYLAMINE)
LD50 (Oral) > 200 mg/kg OECD Guideline 401, Rat - Sprague-Dawley
LD50 (Dermal) > 3100 mg/kg Rat - Tif RAIf (SPF)
LC50 (Inhalation) 1,34 mg/l OECD Guideline 403, Rat - Wistar

SKIN CORROSION / IRRITATION

Causes skin irritation

3-AMINOPROPYLTRIETHOXYSILANE
OECD Guideline 404

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

3-AMINOPROPYLTRIETHOXYSILANE
OECD Guideline 405

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Skin sensitization
3-AMINOPROPYLTRIETHOXYSILANE
OECD Guideline 406

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

SECTION 11. Toxicological information ... / >>

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

MICA

The substance has this effect only by inhalation. If it is suspended in a liquid matrix the effect does not occur.

Route of exposure

MICA

Inhalation

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

TETRAETHYLENEPENTAMINE, MIXED ISOMERS

LC50 - for Fish	420 mg/l/96h
EC50 - for Crustacea	24,1 mg/l/48h
EC50 - for Algae / Aquatic Plants	1,6 mg/l/72h

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

LC50 - for Fish	110 mg/l/96h EU Method C.1, Leuciscus idus
EC50 - for Crustacea	23 mg/l/48h OECD Guideline 202, Daphnia magna
EC50 - for Algae / Aquatic Plants	37 mg/l/72h EU Method C.3, Desmodesmus subspicatus

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LC50 - for Fish	47 mg/l/96h Channa punctata
EC50 - for Crustacea	20 mg/l/48h Daphnia magna

M-PHENYLENEBIS (METHYLAMINE)

LC50 - for Fish	87,6 mg/l/96h OECD Guideline 203, Oryzias latipes
EC50 - for Crustacea	15,2 mg/l/48h OECD Guideline 202, Daphnia magna
EC50 - for Algae / Aquatic Plants	20,3 mg/l/72h OECD Guideline 201, Pseudokirchnerella subcapitata

12.2. Persistence and degradability

AMMONIA

Degradability: information not available

M-PHENYLENEBIS (METHYLAMINE)

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

12.3. Bioaccumulative potential

M-PHENYLENEBIS (METHYLAMINE)

Partition coefficient: n-octanol/water	0,18
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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 \geq than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

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

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

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 _____

Product

Point 3

Contained substance

Point	75	TITANIUM DIOXIDE Reg. no.: 01-2119489379-17
Point	75	3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE Reg. no.: 01-2119514687-32
Point	75	3-AMINOPROPYLTRIETHOXYSILANE Reg. no.: 01-2119480479-24
Point	75	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC

SECTION 15. Regulatory information ... / >>

Point	75	Reg. no.: 01-2119484627-25 AMMONIA
Point	75	Reg. no.: 01-2119488876-14 GLYOXAL

Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors
Not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage \geq 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

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.

VOC (Directive 2004/42/EC) :
Two - pack performance coatings.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1B	Skin sensitization, category 1B
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
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory 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.
EUH071	Corrosive to the respiratory tract.

- 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)

SECTION 16. Other information ... / >>

- 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)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Regulation (EU) 2020/217 (XIV 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

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.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.



TRITON SYSTEMS

FASTCOAT 2 Part Green concrete Primer part A hardener

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SECTION 16. Other information ... / >>

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11. Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:
The following sections were modified:
PB – 29.06.22