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according to 1907/2006/EC, Article 31

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

1.1 Product identifier

Trade name:

Fixit 493

Mineral-based undercoat stabilizer

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

Life cycle stages
C/PW Consumer use / Widespread use by professional workers

Sector of Use
SU19 Building and construction work

Product category
PC9a Coatings and paints, thinners, paint removers

Process category
PROC10 Roller application or brushing
PROC11 Non industrial spraying
PROC19 Manual activities involving hand contact

Environmental release category
ERC10a / ERC11a Widespread use of articles with low release

Article category
AC0 Other

Application of the substance / the preparation
Priming - Product for an industrial, technical and private use for coating building surfaces. For all other uses is advised against/ not recommended.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

FIXIT AG
Im Schachen 416
5113 Holderbank AG
Switzerland

Tel. +41 (0)62 887 51 51
Fax +41 (0)62 887 53 53
info@fixit.ch
fixit.ch

Further information obtainable from:
Product safety department (on working days 8:00 - 16:00)

1.4 Emergency telephone number

National poisons information centre: +44/(0)171 - 635 9191
National Health Service: 111
European emergency call: 112

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the GB CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
Void

Hazard pictograms
Void

Signal word
Void

Hazard statements
Void

Precautionary statements
Observe the general safety regulations when handling chemicals.

2.3 Other hazards

No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Substances

This product is a mixture.

3.2 Mixtures

Description:
Mixture of binder dispersion, fillers and nonhazardous additions

Dangerous components:		
CAS: 1312-76-1 EINECS: 215-199-1 REACH: 01-2119456888-17	Silicic acid, potassium salt (M/M > 3,2) Skin Irrit. 2, H315; Eye Irrit. 2, H319 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 40 % Eye Irrit. 2; H319: C ≥ 40 %	5 - 10%

Other components (>20%):		
CAS: 7732-18-5 EINECS: 231-791-2 REACH: [1]	Water	50 - < 100%

Additional information:
For the wording of the listed hazard phrases refer to section 16.

[1] Not subject to registration in accordance with EC 1907/2006 Annex V (point 7) or Article 2.

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SECTION 4: First aid measures

4.1 Description of first aid measures



First aid

General information:
For first responder no special personal protective equipment is required. First responder should avoid contact with the product.

After inhalation:
Take affected persons into fresh air and keep quiet. Seek medical treatment in case of complaints. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:
Immediately wash with water and soap and rinse thoroughly. Immediately remove all soiled and contaminated clothing. Wash contaminated clothes before reuse. Clean contamionated shoes before reuse. If skin irritation continues, consult a doctor.

After eye contact:
Do not rub eyes because additional damage to eyes can be caused by mechanical stress. If necessary, remove contact lenses and flush the eye immediately while holding eyelids open to water for at least 20 minutes. If possible, isotonic eyewash solution (e. g. 0,9% NaCl). Always consult an occupational physician or ophthalmologist.

After swallowing:
Do not induce vomiting. If conscious rinse mouth with water and drink plenty of water. Consult a physician or poison control center.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms and effects are described in section 2 and 11.

Hazards:
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
If a physician is to be consulted, as per possibillity he should be presented this safety data sheet.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:
The mixture is flammable neither in the delivery condition not in mixed conditions. Extinguisher and fire fighting are therefore adjusted to the surrounding fire.

5.2 Special hazards arising from the substance or mixture
This product is neither explosive nor flammable, and non-oxidizing with other materials. Particular danger of slipping on leaked/spilled product.

5.3 Advice for firefighters
No special measures required. Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
If appropriate, reference must be made to exposure controls and personal protection (see section 8).

6.2 Environmental precautions
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

6.3 Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities / Water for cleaning yes and skin should be available. Persons, who tend to skin diseases or other hypersensitivity reactions of the skin, should not handle the product. Do not eat, drink, smoke or sniff while working.

Information about fire - and explosion protection:
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:
Keep out of reach of children. Store in cool, dry place in tightly closed receptacles.

Information about storage in one common storage facility:
Keep away from foodstuffs, beverages and feed.

Further information about storage conditions:
Protect from frost. Protect from heat and direct sunlight.

Miniumum storage life:
Minimum storage life (+5°C up to 25°C): See indication on package.

Storage class: 12

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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DNELs		
1312-76-1 Silicic acid, potassium salt (M/M > 3,2)		
Oral	Long term exposure	0.74 mg/kg bw/d (Consumer)
Dermal	Systemic - Long term exposure	0.74 mg/kg bw/d (Consumer)
		1.49 mg/kg bw/d (Employee)
Inhalative	Systemic - Long term exposure	1.38 mg/m³ (Consumer)
		5.61 mg/m³ (Employee)

PNECs	
1312-76-1 Silicic acid, potassium salt (M/M > 3,2)	
Freshwater	7.5 mg/l (not specified)
Marine water	1 mg/l (not specified)
Soil	mg/kg (not specified) no hazard identified
Sediments (Freshwater)	mg/kg (not specified) no hazard identified
Sediments (Marine water)	mg/kg (not specified) no hazard identified
Sewage plant	348 mg/l (not specified)

Ingredients with biological limit values:
Void

Additional information:
The lists valid during the making were used as basis.

8.2 Exposure controls

8.2.1. Individual protection measures, such as personal protective equipment

General protective and hygienic measures:
Use skin protection cream for skin protection. Avoid close or long term contact with the skin. Avoid contact with the eyes. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed. Do not eat, drink, smoke or sniff while working.

Respiratory protection:



Use suitable respiratory protective device only when aerosol or mist is formed (FFP2 according to EN 149)

Hand protection:



Hand protection: Chemical resistant protective gloves according EN ISO 374

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Check protective gloves prior to each use for their proper condition. Preventive skin protection by use of skin-protecting agents is recommended. To avoid skin problems reduce the wearing of gloves to the required minimum.

Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore

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to be checked prior to the application.

Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:
Nitrile rubber, NBR gloves
Synthetic rubber gloves
PVC gloves
Neoprene gloves
Recommended thickness of the material: ≥ 0,15mm

Not suitable are gloves made of the following materials:
Leather gloves

Eye/face protection:



In case of splash risk use tightly fitting safety goggles according to EN 166.

Body protection:



Protective work clothing

Risk management measures:
An operator training/guidance in the correct use of personal protective equipment is necessary to ensure the required level of effectiveness.

8.2.2. Information about design of technical facilities
No further data; see item 7.

8.2.3. Environmental exposure controls
Avoid release in the environment. Use the surplus or dispose it of properly.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Fluid
Appearance:	
Form:	Fluid
Colour:	Colourless
Odour:	Mild
Odour threshold:	Not safety relevant
pH at 20 °C (68 °F)	9 - 11
Change in condition	
Melting point/freezing point:	~ 0 °C (~ 32 °F)
Boiling point or initial boiling point and boiling range	100 °C (212 °F)
Flammability	
Flash point:	Not applicable
Decomposition temperature:	Not determined
Oxidising properties:	None
Explosive properties:	Product does not present an explosion hazard.

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Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Auto-ignition temperature:	Product is not selfigniting.
Vapour pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
Density and/or relative density	
Density at 20 °C (68 °F):	1.2 - 1.4 g/cm³ (10.01 - 11.68 lbs/gal)
Particle size	
Viscosity:	
Dynamic at 20 °C (68 °F):	> 500 mPas
Solubility	
Water:	Fully miscible
Solids content:	14 - 16 %
Solvent content:	
Organic solvents:	0.5 %
VOC without water (EC):	0.00 g/l
VOC with water (EC):	2.4 - 2.8 g/l
VOC with water (EC):	0.200 %

9.2 Other information

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reactions known.

10.2 Chemical stability:
The product is stable as long as it is stored properly and dry.

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions
No dangerous reactions known.

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10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
No dangerous decomposition products known.

Miniumum storage life:
Minimum storage life (+5°C up to 25°C): See indication on package.

Additional information:
No further relevant information available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
The product was not investigated. The statement is derivated from the properties of the single components.

LD/LC50 values relevant for classification:		
1312-76-1 Silicic acid, potassium salt (M/M > 3,2)		
Oral	LD_{50}	> 5,000 mg/kg (Rat)
Dermal	LD_{50}	> 5,000 mg/kg (Rat)

Other information (about experimental toxicology):		
1312-76-1 Silicic acid, potassium salt (M/M > 3,2)		
Irritation of skin	OECD 404 (skin)	(Rabbit) slightly irritating
Irritation of eyes	OECD 405 (eye)	(Rabbit) not irritating
Sensitisation	OECD 406 (sensitization)	(Guinea pig) not sensitising

Practical experience
No further relevant information available.

General comments
No further relevant information available.

11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity
The product was not investigated. The statement is derivated from the properties of the single components.

Aquatic toxicity:	
1312-76-1 Silicic acid, potassium salt (M/M > 3,2)	
LC_{50} (48h)	> 146 mg/l (Fish - leuciscus idus)
EC_{50}	> 146 mg/l (Water flea - daphnia)

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EC_0	> 348 mg/l (Bacteria - pseudomonas putidas)
EC_{50} (72h)	207 mg/l /biomass (Algae scenedesmus subcapitatus)

12.2 Persistence and degradability
A part of the components is biodegradable.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Literature
No further relevant information available.

Ecotoxical effects:
No further relevant information available.

Behaviour in sewage processing plants:
No further relevant information available.

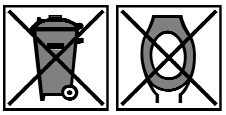
Additional ecological information:

General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dispose of contents/container in accordance with local/regional/national/international regulations.

08 01 12 for residues of the unprocessed product
15 01 02 for the completely emptied packaging

13.2 Uncleaned packaging

Recommendation:
Disposal must be made according to official regulations.
Recycle only completely emptied packaging.

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Recommended cleansing agents:
Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number **ADR, ADN, IMDG, IATA**	Void
14.2 UN proper shipping name **ADR, ADN, IMDG, IATA**	Void
14.3 Transport hazard class(es) **ADR, ADN, IMDG, IATA** **Class**	Void
14.4 Packing group **ADR, IMDG, IATA**	Void
14.5 Environmental hazards **Marine pollutant:**	No
14.6 Special precautions for user	Not applicable
14.7 Maritime transport in bulk according to IMO instruments	Not applicable
UN "Model Regulation":	Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Observe the general safety regulations when handling chemicals.

Directive (EU) 2012/18
Named dangerous substances - ANNEX I :
None of the ingredients is listed.

Biozide ingredients (98/8/EG):
Data based on recipe and information on the raw materials from the supply chain.

1,2-Benzisothiazol-3(2H)-one	< 0.005%
2-Methyl-2H-isothiazol-3-one	< 0.00015%

Classification according 2004/42/EG:
IIA(h) 30 - this product contains < 30 g/l VOC (see chapter 9)

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Reasons for changes:
* Data compared to the previous version altered.

Relevant phrases:
H315 Causes skin irritation.

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H319 Causes serious eye irritation.

Advice for instructions:
Additional trainings, which go beyond the prescribed training in activities involving hazardous substances are not required.

Department issuing MSDS:
Product safety department (+43/(0)5522-41646-0 / klaus.ritter@fixit-gruppe.com)

Contact:
Dr. Klaus Ritter

Date of previous version: 18.01.2022

Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
MAK: Maximale Arbeitsplatz-Konzentration (maximum concentration of a chemical substance in the workplace, Austria/ Germany)
PBT: persistent, bioaccumulative and toxic properties
vPvB: very persistent, bioaccumulatice properties
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (GB REACH)
PNEC: Predicted No-Effect Concentration (GB REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Further information:
The information in this safety data sheet describe the safety requirements of our product and is based on our current state of our knowledge. They provide no assurance of product quality. Existing laws, ordinances and regulations, including those that are not mentioned in this data sheet must be observed by the recipient of our products in their own responsibility.