

Safety Data Sheet

According to 1907/2006/EC, Article 31

Product Identifier

EWI-360 FUNGICIDAL WASH

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Section 1

Identification of the substance/mixture and of the manufacturer/ product distributor

1.1 Product identifier

Trade name: EWI-360 Fungicidal Wash

1.2 Correct/incorrect uses of the substance/mixture

Application of the substance / the preparation

Priming - This product is for priming building surfaces prior to rendering.

The product should not be used for any other purpose.

1.3 Details of the supplier of the safety data sheet

Manufacturer:

KREISEL - Technika Budowlana Sp. z o.o.

ul. Szarych Szeregów 23

60-462 Poznan

Poland

Tel. +48 (0)61 846 79 00

Fax +48 (0)61 846 79 09

poznan@kreisel.pl

kreisel.pl

Supplier:

EWI Pro External Wall Insulation Systems

UNIT 1, Kingston Business Centre

Fullers Way Road Chessington KT9 1DQ

tel. 0800 1337072;

www.ewipro.com; info@ewipro.com

For further information, contact:

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1.4 Emergency telephone number

Environment Agency Emergency Hotline: +44/(0)800 80 70 60

Emergency Services (UK): 999

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 CLP regulation.



Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



Signal word

Warning

Hazard-determining components of labelling:

2-Octyl-2H-isothiazol-3-one

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P102 Keep out of reach of children.

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P501 Dispose of contents/container to an authorised disposal firm or communal collection

2.3 Other hazards

Health hazards can occur after inhalation of aerosols.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Section 3 Composition/information on ingredients

3.1 Chemical characterisation: Substances

This product is a mixture.

3.2 Chemical characterisation: Mixtures

Mixture of acrylat dispersion and fillers with nonhazardous additions.

Description:

Microbiocide based on benzalkonium chloride and octylisothiazolone

Microbiocide based on alkonium chloride and octylisothiazolone

Dangerous components:		
CAS: 7173-51-5 EINECS: 230-525-2 Index number:... 612-131-00-6	Didecyldimethylammonium chloride ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	<0.5%
CAS: 26530-20-1 EINECS: 247-761-7 Index number:... 613-112-00-5	2-Octyl-2H-isothiazol-3-one ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ Skin Corr. 1C, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	<0.1%
Other components: (>20%)		
CAS: 7732-18-5 EINECS: 231-791-2 REACH: *	Water	50-100%

Additional information:

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

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

Section 4 First aid measures



4.1 Description of first aid measures

General information:

For first responder no special personal protective equipment is required. First responder should avoid contact with the product where possible.

After inhalation:

Take affected persons into fresh air. It is always advisable to seek medical treatment. If patient is unconscious, turn the patient on their side. Check that their breathing is stable and if not seek out first aider to perform artificial respiration and/or CPR (cardio pulmonary resuscitation).

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Immediately remove all soiled and contaminated clothing. Wash contaminated clothes before re-use. Clean contaminated shoes before re-use. If skin irritation continues, consult a medical professional.

After eye contact:

Do not rub eyes because this can cause additional damage. If necessary, remove contact lenses and immediately rinse the eye with water, or if possible, with isotonic eyewash solution (e.g. 0.9% NaCl). Always consult a medical professional.

After swallowing:

Do not induce vomiting. If physically able, rinse mouth with water and drink plenty of water. Consult a medical professional 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 it is necessary to seek medical attention, this safety data sheet should be presented to the medical professional.

Section 5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

The mixture is flammable neither in the delivery condition nor 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.

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.

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 in the workplace. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities/water for cleaning eyes and skin should be available. People with skin diseases or other hypersensitivity reactions of the skin should not handle the product. Do not eat, drink, smoke or sniff the product.

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 containers:

Keep out of reach of children. Store in cool, dry place in tightly closed containers.

Information about storage in one common storage facility:

Keep away from food and drink.

Further information about storage conditions:

Protect from frost. Protect from heat and direct sunlight.

Minimum storage temperature:

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

Storage class: 10

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.

Additional information:

During manufacture, the valid lists were used as a guidance only.

8.2 Exposure controls

8.2.1. Personal protective equipment

General protective and hygienic measures:

For any skin sensitivities, use skin protection cream. 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 food and drink. Do not sniff the product.



Respiratory protection:

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



Protection of hands:

Hand protection: Chemical resistant protective gloves according EN 374

The glove material has to be impermeable and resistant to the product. No recommendation to the glove material can be given for the product. Select the glove material on consideration of the penetration times, rates of diffusion and the degradation. Check protective gloves are in good condition before each use. Preventative skin protection by use of skinprotecting agents is recommended. To avoid skin problems reduce the wearing of gloves to the required minimum.

Penetration time of glove material:

Check with the glove manufacturer for exact break through times.

Gloves made of the following materials are suitable:

Nitrile rubber, NBR gloves

Synthetic rubber gloves

PVC gloves

Recommended thickness of the material: $\geq 0,15\text{mm}$

Gloves made of the following materials are not suitable:

Leather gloves



Eye protection:

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



Body protection:

Protective work clothing

Risk management measures:

Operator training 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. Limitation and supervision of exposure into the environment

Avoid release into 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	
Appearance:	
Form	Fluid
Colour	Colourless
Odour	Mild
pH-value at 20 °C (68 °F)	4
Change in condition Melting point/freezing point: Initial boiling point and boiling range:	0 °C (32 °F) 100 °C (212 °F)
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Ignition temperature	
Decomposition temperature	Not determined.
Auto-ignition temperature	Product is not self-igniting.
Explosive properties	Product does not present an explosion hazard.
Explosion limits:	
Lower	Not determined.
Upper	Not determined.
Oxidising properties	None
Vapour pressure at 20 °C (68 °F):	23 hPa (17 mm Hg)
Density at 20 °C (68 °F)	1 g/cm ³ (8.345 lbs/gal)
Solubility in / Miscibility with water:	Fully miscible.
Viscosity: Dynamic at 20 °C (68 °F)	< 10 mPas
Solvent content:	
Organic solvents	0.0 %
Water	99.3 %
VOC (EC)	0.0 g/l
Solid content:	0.5 %

9.2 Other information

No further relevant information available.

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 kept dry.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

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.

Additional information:

No further relevant information available.

Section 11

Toxicological information

11.1 Information on toxicological effects

The product was not investigated. The statement is derived from the properties of the single components.

Acute toxicity:

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification		
7173-51-5 Didecyldimethylammonium chloride		
Oral	LD50	84 mg/kg (Rat)
Dermal	LD50	2930 mg/kg (Rabbit)
26530-20-1 2-Octyl-2H-isothiazol-3-one		
Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)
Inhalation	LD50(4h)	3 mg/l (ATE)

Primary irritant effect:

On the skin:

Based on available data, the classification criteria are not met.

On the eye:

Based on available data, the classification criteria are not met.

Sensitisation:

Sensitising effect by skin contact is possible by prolonged exposure.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

11.2 Practical experience

No further relevant information available.

11.3 General comments

No further relevant information available.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure (STOT SE):

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure (STOT RE):

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Section 12

Ecological information

12.1 Toxicity

The product was not investigated. The statement is derived from the properties of the single components.

Acrylate/Styrol copolymer	
LC50 (96h)	0.19 mg/l (Fat head minnow - pimephales promelas)
EC50 (48h)	0.062 mg/l (Water flea - daphnia magma)
EC50 (72h)	0.014 mg/l (Algae - pseudokirchneriella subcapitata)
26530-20-1 2-Octyl-2H-isothiazol-3-one	
LC50 (96h)	0.03 mg/l (Rainbow trout - oncorhynchus mykiss)
EC50	30.4 mg/l (Activated sewage sludge)
EC50 (48h)	0.32 mg/l (Water flea - daphnia magma)
	0.42 mg/l (Water flea - daphnia) (OECD 202)
EC50 (72h)	0.084 mg/l (Algae scenedesmus subcapitatus) (OECD 201) S 63
EC50 (96h)	0.047 mg/l (Rainbow trout - oncorhynchus mykiss) (OECD 203)
IC50 (72h)	0.084 mg/l (Algae scenedesmus subcapitatus) (OECD 201)

12.2 Persistence and degradability

Part of the components are biodegradable.

Behaviour in environmental systems:

Components:

The ingredient Octylisothiazolone is proved to be biodegradable in the simulation test for biodegradability according to OECD 309 at a test concentration of 0,01 mg/l and 0,1 mg/l. Octylisothiazolone is rapidly degraded in natural river water. The DT50 value is between 1 and 3 days. The DT90 value is reached after 3 to 5 days.

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:	
26530-20-1 2-Octyl-2H-isothiazol-3-one	
EC20 (0,5h)	10.4 mg/l (Activated sewage sludge) (TTC-Test 8901 Macherey Nagel)
EC20 (3h)	7.3 mg/l (Activated sewage sludge) (OECD 209)

Behaviour in sewage processing plants:

The product is safe in sewage processing plants.

Additional ecological information:

The formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:

None

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.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

Literature

No further relevant information available.

Section 13 Disposal considerations

13.1 Waste treatment methods



Must not be disposed together with household rubbish.

European waste catalogue	
16 03 05*	organic wastes containing hazardous substances
15 01 02	Plastic packaging

15 01 02 for the completely emptied packaging



Do not allow product to reach sewage system.

13.2 Uncleaned packaging

Recommendation:

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

Recommended cleansing agents:

Water and/or cleansing agents.

Section 14 Transport information

14.1 UN-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 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Void

Section 15

Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I :

None of the ingredients are listed.

REGULATION (EC) No 1907/2006 ANNEX XVII : Conditions of restriction: 3

National regulations:

REGULATION (EC) No 1907/2006 ANNEX XVII : Conditions of restriction: 3

Biozide ingredients (98/8/EG):

Data based on recipe and information on the raw materials from the supply chain.

2-Octyl-2H-isothiazol-3-one	<0,1%
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Classification according 2004/42/EG:

IIA(c) 40 - this product contains < 40 g/l VOC (see chapter 9)

Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

Commission regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) 1013/2006 on shipments of waste

Technical Rules for Hazardous Substances 900 - Workplace exposure limits (TRGS 900,Germany)

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:

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Advice for instructions:

Additional training in activities involving hazardous substances is not required.

Department issuing MSDS:

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

Contact:

Dr. Klaus Ritter

Further information:

The information in this safety data sheet describes the safety requirements of our product and is based on our current state of knowledge. These sheets provide no assurance of product quality. The recipient must act responsibly during use and observe the existing laws, ordinances and regulations that are not mentioned on this datasheet.

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, bioaccumulative properties

ADR: Accord européen sur le transport 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1



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