

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**Trade name: **ELEWACID**

Contains: 2-octyl-2H-isothiazol-3-one

1.2. Relevant identified uses of the substance or mixture and uses advised againstIdentified uses: Product to remove mold fungi from the façade surface and other external masonry surfaces (category II, group 10). Biocidal product..Uses advised against: not specified.**1.3. Details of the supplier of the safety data sheet**

Supplier: MAJSTER – POL KOSIŃSCY SP. JAWNA

Address: Mienia 291, 05 - 319 Cegłów, Poland

Telephone No/Fax No: +48 25 757 05 54

E-Mail: majsterpol@majsterpol.pl

1.4. Emergency telephone number

+48 25 757 05 54 available on weekdays from Monday till Friday during office hours: 8 am – 3 pm

SECTION 2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Hazard	Classification	According to Regulation (EC) no. 1272/2008 (CLP)
for physical-chemical properties:		Not classified
for health hazards:		Skin Sens. 1A, H317 May cause an allergic skin reaction. Skin Irrit. 2, H315 Causes skin irritation. Eye Irrit. 2, H319 Causes serious eye irritation.
for environmental hazards:		Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s): GHS07

Signal word(s): Warning

Hazard statement(s):

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

Zwroty wskazujące środki ostrożności:

- P261 Avoid breathing mist/vapours/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

2.3. Other hazards

Not known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Substance name	% mass	Product identifier	Classification according to Regulation (EC) No. 1272/2008 (CLP)	
			Hazard class	Hazard class
diethylene glycol *	0.1 - 2.5	CAS No: 111-46-6 EC No: 203-872-2 Index No: 603-140-00-6 Registration No: Not available	Acute Tox. 4	H302
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	0.1 - 2.5	CAS No: 63449-41-2 EC No: 264-151-6 Index No: 612-140-00-5 Registration No: Not available	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B Aquatic Acute 1	H312 H302 H314 H400
2-octyl-2H-isothiazol-3-one	0.1 - <0.5	CAS No: 26530-20-1 EC No: 247-761-7 Index No: 613-112-00-5 Registration No: Not available	Acute Tox. 3 Acute Tox. 3 Acute Tox. 4 Skin Corr. 1B Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H331 H311 H302 H314 H317 H400 (M=10) H410 (M=1)

*substance with occupational exposure limits at the workplace

Additional notes: Active substance CAS 63449-41-2 is also notified as CAS 61789-71-7, 68391-01-5, 68424-85-1. CAS 68424-85-1 is included in Annex II to Directive 2003/2032/EC

It contains microbicide - benzalkonium chloride and octylisothiazolone. The product does not contain other substances presenting a health or environmental hazard above the concentration limits given in the regulations. It is free of heavy metals and volatile organic compounds (VOCs).

The text of the H-phrases is shown in section 16 of the safety data sheet.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice:

Move the victim from an exposure area, keep calm. Never give anything by mouth to an unconscious person. If symptoms persist or you feel unwell, consult a doctor.

Inhalation:

Move the victim to fresh air, keep warm and calm. If symptoms persist or you feel unwell, consult a doctor.

Contact with skin:

Take off contaminated clothing and shoes immediately. Wash contaminated skin thoroughly with plenty of soap and water. If irritation appears, consult a physician.

Contact with eyes:

Remove contact lenses. Flush eyes with plenty of water for 10 minutes holding the eyelids open. If irritation appears, consult a physician.

Ingestion:

Rinse mouth with water. Do not induce vomiting – risk of aspiration, product can enter the lungs. If a victim is conscious, give 1-2 glasses of water to drink. Get medical attention immediately.

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

Inhalation: can cause respiratory tract irritation.

Contact with skin: prolonged skin contact may cause temporary redness.

Contact with eyes: can cause slight eye irritation.

Ingestion: can cause mouth, throat and stomach irritation.

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

Not specified.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

The product doesn't burn, use extinguishing media suitable for the surrounding environment.

Suitable Extinguishing Media: water spray, foam, dry chemical powder, carbon dioxide.

Unsuitable Extinguishing Media: not known.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide, nitrogen oxides, sulphur dioxide may be generated during combustion.

5.3. Advice for firefighters

Alert personnel in the danger zone by using all available methods. If necessary, order evacuation, call the emergency services. People should be properly trained and equipped with proper clothing and safety equipment: a self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

6.2. Environmental precautions

Prevent from entering sewers, rivers or other bodies of water and soil. Prevent from spreading.

6.3. Methods and material for containment and cleaning up

Cover spillage with an absorbent: sand, diatomaceous earth, acid binder, universal binders, sawdust. Collect mechanically into a properly labelled containers and deliver to a licensed waste collection company. Residues wash with plenty of water. Collect contaminated water and deliver for utilization – do not discharge into drains.

6.4. Reference to other sections

Refer to Sections 8 and 13 of the safety data sheet.

SECTION 7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Product handling: special precautions are not necessary. Keep standard precautions while handling chemicals. Avoid contact with skin and eyes. Never eat or drink during use. Wash hands before breaks and after work. Take off contaminated clothing and wash it before re-use. It is recommended to use appropriate general ventilation.

Prevention of fire and explosion: not required.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed at temperatures between +5°C and +25°C. Protect from excessive heat and frost. If necessary, mix the product prior to use.

Shelf life: min. 12 months from the manufacture date

7.3. Specific end use(s)

Application temperature: 5 - 25°C.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Diethylene glycol: inhalable fraction NDS 10 mg/m³, NDSC_h - , NDSP -

Regulation of the Minister of Labour and Social Policy of 29 June 2014 on maximum permissible concentration and intensity of agents harmful to health in the working environment (Journal of Laws of 2014, item 817)

DNEL: Not applicable PNEC: Not applicable

8.2. Exposure controls**Appropriate engineering controls:**

Provide eyewash facilities and safety shower.

Eyeface protection:

Safety glasses (goggles) with side-shields.

Skin protection:

Wear protective clothing and protective rubber gloves.

Respiratory protection:

In case of insufficient ventilation use appropriate respiratory protection (mask or half mask with appropriate filter).

Thermal hazards:

Not known.

Environmental exposure controls:

Dispose of waste in compliance with national legislation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

a) Appearance	: Colourless liquid
b) Odour	: Mild
c) Odour threshold	: Data not available
d) pH	: Data not available
e) Melting point/freezing point	: Data not available
f) Initial boiling point and boiling range	: Ca. 100°C
g) Flash point	: Not flammable
h) Evaporation rate	: Data not available
i) Flammability (solid, gas)	: Not applicable
j) Upper/lower flammability or explosive limits	: Data not available
k) Vapour pressure	: Data not available
l) Vapour density	: Data not available
m) Relative density	: 1.0 g/cm ³
n) Solubility(ies)	: Fully water soluble
o) Partition coefficient: n-octanol/water	: Data not available
p) Auto-ignition temperature	: Not applicable
q) Decomposition temperature	: Data not available
r) Viscosity	: Data not available
s) Explosive properties	: Not applicable
t) Oxidising properties	: Not applicable

9.2. Other information

Note: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

The product is not reactive.

10.2. Chemical stability

Mixture is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Protect from heat, sunlight and frost.

10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

Not known when used and stored as intended. Hazardous combustion products are included in Section 5 of the safety data sheet.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity:**

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

LD50: >2000 mg/kg (oral, rat)

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

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****Aquatic compartment/ sediment / terrestrial compartment:**

Harmful to aquatic life with long lasting effects.

CAS 63449-41-2 (quaternary ammonium compounds, chlorides):

EC50 / 48h: 0,016 mg/l (Daphnia)

IC50 / 72h: 0,02 mg/l (algae, *Selenastrum capricornutum*)

LC50 / 96h: 0,85 mg/l (fish, Rainbow trout)

CAS 26530-20-1 (2-octyl-2H-isothiazol-3-one):

EC50 / 48h: 0,1 mg/l (Daphnia)

IC50 / 72h: 0,084 mg/l (algae, Green Algae)

LC50 / 96h: 0,03 mg/l (fish, Rainbow trout)

12.2. Persistence and degradability

Active substances are readily biodegradable. OECD Test No. 309: Aerobic Mineralisation in Surface Water – Simulation Biodegradation Test showed that OIT is biodegradable in concentration of 0,01 mg/l and 0,1 mg/l. In natural river water, OIT decomposes rapidly and HT50 is 1 to 3 days. HT90 is reached during 3-5 days.

12.3. Bioaccumulative potential

Bioaccumulative potential is low.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

Not known.

12.6. Other adverse effects działania

Note – proper treatment of sewage that contains active substances should not interfere activity of the living organisms in the sludge. According to the mixture composition, the product does not contain substances that may affect AOX content in waste water.

General advice: prevent from entering sewage system, other wastewater or open tanks without pre-treatment in a biological waste water purification station.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Product disposal: product waste is subjected to a special treatment in accordance with national regulations - dispose of hazardous waste to a licensed waste collection company. Prevent from entering sewage system, other wastewater or open tanks.

Waste code: 16 00 00 wastes not otherwise specified in the list

16 03 00 off-specification batches and unused products

16 03 05 organic wastes containing dangerous substances

Packaging disposal: Dispose of waste in compliance with current legislation. Packaging can be re-used after cleaning (use water and detergent if necessary).

Waste code: 15 01 02 – plastic packaging

Directive 2008/98/EC of the European Parliament and of the Council of the Member State.

SECTION 14. TRANSPORT INFORMATION**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	Not applicable

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

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) 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 2008/98/EC of the European Parliament and of the Council of the Member State.

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out for the mixture.

SECTION 16. OTHER INFORMATION**Classification method:**

Calculation method.

Changes made in the safety data sheet during revision:

Adaptation to Regulation (EU) 2015/830.

Legend to abbreviations and acronyms used in the safety data sheet:

NDS	Occupational Exposure Limit (Poland)
NDSCh	Short-term Occupational Exposure Limit (Poland)
NDSP	Ceiling Exposure Limit (Poland)
vPvB	Very persistent and very bioaccumulative (substance)
PBT	Persistent, bioaccumulative and toxic (substance)
PNEC	Predicted No Effect Concentration
DNEL	Derived No Effect Levels
LD50	Dose of a tested substance causing 50% lethality during a specified time interval
LC50	Lethal Concentration 50%, concentration required to kill half the members of a tested population after a specified test duration
EC50	The effective concentration of substance that causes 50% of the maximum response
IC50	The half maximal inhibitory concentration
HT	Half-time

Literature references and sources for data:


Regulations/legislations mentioned in sections 2 – 15 of safety data sheet. Information provided by the manufacturer.

List of relevant hazard statements and/or precautionary statements, which are not written out in full under Sections 2 to 15:

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.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Advice on any training appropriate for workers to ensure protection of human health and the environment:

Detailed recommendations are not available.

	SAFETY DATA SHEET In accordance with Regulation (EU) 2015/830	Compilation date: 03.03.2008
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		Wersja: 4.0
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