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# RockPlast Sky 3610
Material Safety Data Sheet

## 1. Description

RockPlast Sky 3610 is a revolutionary new technology based on significant advances in admixtures chemistry. This product is used as part of an admixture system to provide customized admixture solutions for a wide range of concrete applications.

## 2. Composition/Information on ingredients

| Chemical name | CAS-No. EC-No. Registration number | Classification (SANS 10234) | Concentration (% w/w) |
|---|---|---|---|
| mixture of:<br>5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)<br>(C(M)IT/MIT (3:1)) | 55965-84-9<br>01-2120764691-48-XXXX | Acute Tox.3; H301<br>Acute Tox.2; H330<br>Acute Tox.2; H310<br>Skin Corr.1C; H314<br>Eye Dam.1; H318<br>Skin Sens.1A; H317<br>Aquatic Acute1; H400<br>Aquatic Chronic1; H410 | >= 0,0015 - < 0,0025 |

## 3. Hazard Identification

**Classification of the substance or mixture**
**Classification (SANS 10234)**
Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

**Label Elements**
Labelling (SANS 10234)
Hazard Pictograms:

GHS05
Signal Word: Warning

**Hazard Statements:**
H317 May cause an allergic skin reaction.

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**Precautionary Statements – Prevention:**
P261 Avoid breathing mist or vapours.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.

**Precautionary Statements – Response:**
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Precautionary Statements – Disposal:**
P501 Dispose of contents/container in accordance with local regulation.

**Hazardous components which must be listed on the label:**
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))

**Other Hazards**
This substance/mixture contains no components considered to be either persistent, bioaccumula-tive and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 4. First Aid Measures

**Description of First Aid Measures**
**General advice**
Move out of the dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**
Move to fresh air. Consult a physician after significant exposure.

**In case of skin contact**
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.If symptoms persist, call a physician.

**In case of eye contact**
Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**If swallowed**
Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:**
**Symptoms**
Allergic reactions. See Section 11 for more detailed information on health effects and symptoms.

**Risks**
May cause an allergic skin reaction. sensitising effects

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**Indication of any immediate medical attention and special treatment needed.**
**Treatment**
Treat symptomatically.

## 5. Firefighting Measures

Non-Flammable.

**Suitable Extinguishing Media:**

- In case of fire, use water/water spray/water jet/carbon diox-ide/sand/foam/alcohol resistant foam/chemical powder for extinction.

**Special Hazards arising from the substance or mixture:**

- No hazardous combustion products are known

**Advice for firefighters:**
In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

## 6. Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

- Use personal protective equipment.
- Deny access to unprotected persons.

**Environmental precautions:**

- Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
- Prevent any material from entering drains or waterways.

**Methods and Materials for Containment and Cleaning Up:**

- If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.
- Clean preferably with a detergent, do not use solvents.

**Reference to other sections:**

- For personal protection see section 8.

## 7. Handling and Storage

Requirements relating to storage premises apply to all facilities where the mixture is handled

**Precautions for Safe Handling:**

- Avoid exceeding the given occupational exposure limits (see section 8).
- Do not get in eyes, on skin, or on clothing.
- For personal protection see section 8.

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- Persons with a history of skin sensitisation problems or asth-ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Smoking, eating and drinking should be prohibited in the ap-plication area.
- Follow standard hygiene measures when handling chemical products
- Normal measures for preventive fire protection.
- Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. When using, do not smoke. Wash hands before breaks and at the end of workday.

**Conditions for Safe Storage, Including any Incompatibilities**

- Keep the container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Store in accord-ance with local regulations.
- No decomposition if stored and applied as directed.

**Specific end use(s)**

- Consult most current local Product Data Sheet prior to any use.

## 8. Exposure controls and personal protection

**Control Parameters:**
Contains no substances with occupational exposure limit values.

**Exposure Controls**
Personal protection measures, such as personal protective equipment:
Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use.
- Remove and wash contaminated clothing before re-using.
- Ensure that there is adequate ventilation, especially in confined areas.

**Eye/Face Protection:**

- Avoid contact with eyes.
- Use eye protection designed to protect against liquid splashes.
- Before handling, wear safety goggles with protective sides accordance with standard EN166
- In the event of high danger, protect the face with a face shield.
- Prescription glasses are not considered as protection.
- Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
- Provide eyewash stations in facilities where the product is handled constantly.

**Hand Protection:**

- Wear suitable protective gloves in the event of prolonged or repeated skin contact.
- Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

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- Gloves must be selected according to the application and duration of use at the workstation.
- Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
- Types of gloves recommended:
  - Natural latex
  - Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
  - PVC (Polyvinyl Chloride)
  - Butyl Rubber (Isobutylene-isoprene copolymer)
- Recommended properties:
  - Impervious gloves in accordance with standard EN374

**Body Protection:**

- Avoid skin contact.
- Wear suitable protective clothing.
- Suitable type of protective clothing.
- In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
- In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
- Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

## 9. Physical and Chemical Properties

| | |
|---|---|
| Physical State and Appearance | Fluid Liquid |
| Odour | Odourless |
| Colour | Yellow |
| pH | ca. 5,5 |
| Density at 20˚C | ca. 1,055 g/cm3 (23 °C) |

## 10. Stability and Reactivity

**Reactivity**
No dangerous reaction known under conditions of normal use.

**Chemical Stability:**
The product is chemically stable.

**Possibility of Hazardous Reactions:**
No data available.

**Conditions to avoid:**

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No data available.

**Incompatible Materials:**
No data available.

**Hazardous Decomposition Products:**
No decomposition if stored and applied as directed.

## 11. Toxicological Information

**Information on Toxicological Effects**
**Acute Toxicity:**
Not classified due to lack of data.

**Substances**
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M:

**Acute inhalation toxicity**
Assessment: Corrosive to the respiratory tract.
**Skin corrosion/irritation**
Not classified due to lack of data.
**Serious eye damage/eye irritation**
Not classified due to lack of data.
**Respiratory or skin sensitisation**
Skin sensitisation: May cause an allergic skin reaction.
Respiratory sensitisation: Not classified due to lack of data.
**Germ cell mutagenicity**
Not classified due to lack of data.
**Carcinogenicity**
Not classified due to lack of data.
**Reproductive toxicity**
Not classified due to lack of data.
**STOT - single exposure**
Not classified due to lack of data.
**STOT - repeated exposure**
Not classified due to lack of data.
**Aspiration toxicity**
Not classified due to lack of data.

## 12. Ecological Information

**Toxicity**
**Components:**
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M:
M-Factor (Short-term (acute) aquatic hazard) : 100
M-Factor (Long-term (chron-ic) aquatic hazard): 100

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**Persistence and degradability**
No data available

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Results of PBT and vPvB assessment**
**Product:**
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects**
**Product:**
Endocrine disrupting poten-tial
The substance/mixture does not contain components consid-ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Additional ecological infor-mation**
There is no data available for this product.

## 13. Disposal Considerations

Proper waste management of the mixture and/or its containers must be determined in accordance with Directive 2008/98/EC.

**Waste Treatment Methods:**
Do not pour into drains or waterways.
**Waste:**
- The generation of waste should be avoided or minimized wherever possible.
- Empty containers or liners may retain some product residues.
- This material and its container must be disposed of in a safe way.
- Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
- Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Soiled Packaging:**
- 15 01 10* packaging containing residues of or contaminated by dangerous substances

## 14. Transport Information

**UN number or ID number**
**ADR**
Not regulated as a dangerous good
**IMDG**
Not regulated as a dangerous good
**IATA**
Not regulated as a dangerous good

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**UN proper shipping name**
**ADR**
Not regulated as a dangerous good
**IMDG**
Not regulated as a dangerous good
**IATA**
Not regulated as a dangerous good

**Transport hazard class(es)**
**ADR**
Not regulated as a dangerous good
**IMDG**
Not regulated as a dangerous good
**IATA**
Not regulated as a dangerous good

**Packing group**
**ADR**
Not regulated as a dangerous good
**IMDG**
Not regulated as a dangerous good
**IATA (Cargo)**
Not regulated as a dangerous good
**IATA (Passenger)**
Not regulated as a dangerous good

**Environmental hazards**
Not regulated as a dangerous good

**Special precautions for user**
Not applicable

**Maritime transport in bulk according to IMO instruments**
Not applicable for product as supplied.

## 15. Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture - Classification and labelling information included in section 2:**

**International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors**
Not applicable

**REACH Information:**
All substances contained in our Products are
- registered by our upstream suppliers, and/or
- registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

**REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)**

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Conditions of restriction for the fol-lowing entries should be considered: Number on list 75, 3

**Regulation (EC) No 649/2012 of the European Parlia-ment and the Council concerning the export and import of dangerous chemicals**
Not applicable

**REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).**
None of the components are listed (=> 0.1 %).

**REACH - List of substances subject to authorisation (Annex XIV)**
Not applicable

**Regulation (EC) No 1005/2009 on substances that deplete the ozone layer**
Not applicable

**Regulation (EU) 2019/1021 on persistent organic pollu-tants (recast)**
Not applicable

**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.**
Not applicable

**Volatile organic compounds**
Law on the incentive tax for volatile organic compounds (VOCV)
no VOC duties
Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: < 0,01% w/w

**Chemical safety assessment**
No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## 16. Other Information

**Full text of H-Statements**
H301 : Toxic if swallowed.
H310 : Fatal in contact with skin.
H314 : Causes severe skin burns and eye damage.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H330 : Fatal if inhaled.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

**Full text of other abbreviations**
Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Skin Corr. : Skin corrosion
Skin Sens. : Skin sensitisation
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

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CAS : Chemical Abstracts Service
DNEL : Derived no-effect level
EC50 : Half maximal effective concentration
GHS : Globally Harmonized System
IATA : International Air Transport Association
IMDG : International Maritime Code for Dangerous Goods
LD50 : Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50 : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL : Occupational Exposure Limit
PBT : Persistent, bioaccumulative and toxic
PNEC : Predicted no effect concentration
REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg-istration, Evaluation, Authorisation and Restriction of Chemi-cals (REACH), establishing a European Chemicals Agency
SVHC : Substances of Very High Concern
vPvB : Very persistent and very bioaccumulative