

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Code: P0012
Product name: KALANIT QUARZO

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

Intended use: Idropittura a base acrilica

1.3. Details of the supplier of the safety data sheet

Name: Licata S.p.A.
Full address: Via dei Mille 32
District and Country: 00185 Roma (RM)
Italia
Tel.: +39 0922 856088
Fax: +39 0922 831427
e-mail address of the competent person responsible for the Safety Data Sheet: controllo-qualita@licataspa.it

1.4. Emergency telephone number

For urgent inquiries refer to:
NHS111 in England: 111
NHS24 in Scotland: 111
NHS Direct in Wales: 111 or 0845 4647
In an emergency, if the patient has collapsed or is not breathing properly, call 999

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 2020/878.

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:

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: --

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains: 4,5-dicloro-2-ottil-2H-isotiazol-3-one
REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND
2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
May produce an allergic reaction.

Precautionary statements:

P273 Avoid release to the environment.

| | | | | |
|---|--|--|--|----|
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| P0012 - KALANIT QUARZO | | | | |
| SECTION 2. Hazards identification ... / >> | | | | |
| Contains: | | 2-OCTYL-2H-ISOTHIAZOL-3-ONE | | |
| 2.3. Other hazards | | | | |
| On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%. | | | | |
| The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%. | | | | |
| SECTION 3. Composition/information on ingredients | | | | |
| 3.2. Mixtures | | | | |
| Contains: | | | | |
| Identification | | x = Conc. % | Classification (EC) 1272/2008 (CLP) | |
| QUARTZ | | | | |
| INDEX | | 16,5 ≤ x < 18 | Substance with a community workplace exposure limit. | |
| EC | | 238-878-4 | | |
| CAS | | 14808-60-7 | | |
| ETHANEDIOL | | | | |
| INDEX | | 603-027-00-1 | Acute Tox. 4 H302, STOT RE 2 H373 | |
| EC | | 203-473-3 | ATE Oral: 500 mg/kg | |
| CAS | | 107-21-1 | | |
| QUARTZ | | | | |
| INDEX | | 0,15 ≤ x < 0,2 | STOT RE 1 H372 | |
| EC | | 238-878-4 | | |
| CAS | | 14808-60-7 | | |
| 2-OCTYL-2H-ISOTHIAZOL-3-ONE | | | | |
| INDEX | | 613-112-00-5 | Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1 H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071 | |
| EC | | 247-761-7 | Skin Sens. 1A H317: ≥ 0,0015% | |
| CAS | | 26530-20-1 | LD50 Oral: 125 mg/kg, LD50 Dermal: 311 mg/kg, ATE Inhalation mists/powders: 0,051 mg/l | |
| Terbutryn | | | | |
| INDEX | | 0,003 ≤ x < 0,006 | Acute Tox. 4 H302, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100 | |
| EC | | 212-950-5 | Skin Sens. 1B H317: ≥ 3% | |
| CAS | | 886-50-0 | ATE Oral: 500 mg/kg | |
| REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) | | | | |
| INDEX | | 613-167-00-5 | Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071, Classification note according to Annex VI to the CLP Regulation: B | |
| EC | | 611-341-5 | Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06% - < 0,6%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06% - < 0,6% | |
| CAS | | 55965-84-9 | LD50 Oral: 64 mg/kg, LD50 Dermal: 87,12 mg/kg, LC50 Inhalation mists/powders: 0,33 mg/l/4h | |
| REACH Reg. 01-2120764691-48 | | | | |
| 4,5-dicloro-2-ottil-2H-isotiazol-3-one | | | | |
| INDEX | | 613-335-00-8 | Acute Tox. 2 H330, Acute Tox. 4 H302, Skin Corr. 1 H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071 | |
| EC | | 264-843-8 | Skin Irrit. 2 H315: ≥ 0,025% - < 5%, Skin Sens. 1A H317: ≥ 0,0015%, Eye Irrit. 2 H319: ≥ 0,025% - < 3% | |
| CAS | | 64359-81-5 | LD50 Oral: 567 mg/kg, LC50 Inhalation mists/powders: 0,16 mg/l/4h | |
| The full wording of hazard (H) phrases is given in section 16 of the sheet. | | | | |
| EPY 11.9.0 - SDS 1004.14 | | | | |

Licata S.p.A.

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SECTION 4. First aid measures

4.1. Description of first aid measures

No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous.

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice.

Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

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.

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| SECTION 6. Accidental release measures ... / >> | | | |
| 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: | | | |
| DEU | Deutschland | WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe | |
| ESP | España | Límites de exposición profesional para agentes químicos en España 2024 | |
| FRA | France | Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021 | |
| HRV | Hrvatska | PRAVILNIK O IZMJENAMA I DOPUNAMA PRAVILNIKA O ZAŠTITI RADNIKA OD IZLOŽENOSTI OPASNIM KEMIČALIJA NA RADU, GRANIČNIM VRIJEDNOSTIMA IZLOŽENOSTI I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA | |
| ITA | Italia | Decreto Legislativo 9 Aprile 2008, n.81 | |
| SVN | Slovenija | Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim, mutagenim ali reprotoksičnim snovem pri delu. Ljubljana, četrtek 4. 4. 2024 | |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020) | |
| EU | OEL EU | Directive (EU) 2022/431; 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. | |
| EPY 11.9.0 - SDS 1004.14 | | | |

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

ETHANEDIOL

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------|---------|--------|-----|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 26 | 10 | 52 | 20 | SKIN |
| MAK | DEU | 26 | 10 | 52 | 20 | SKIN |
| VLA | ESP | 52 | 20 | 104 | 40 | SKIN |
| VLEP | FRA | 52 | 20 | 104 | 40 | SKIN |
| GVII/KGVI | HRV | 52 | 20 | 104 | 40 | SKIN |
| VLEP | ITA | 52 | 20 | 104 | 40 | SKIN |
| MV | SVN | 52 | 20 | 104 | 40 | SKIN |
| WEL | GBR | 52 | 20 | 104 | 40 | SKIN |
| OEL | EU | 52 | 20 | 104 | 40 | SKIN |

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Threshold Limit Value

| Threshold Limit Value | | TWA/8h | | STEL/15min | | Remarks / Observations |
|-----------------------|---------|--------|-----|------------|-----|------------------------|
| Type | Country | mg/m3 | ppm | mg/m3 | ppm | |
| AGW | DEU | 0,05 | | 0,1 | | INHAL |
| AGW | DEU | 0,05 | | 0,1 | | SKIN |
| MAK | DEU | 0,05 | | 0,1 | | INHAL |
| MAK | DEU | 0,05 | | 0,1 | | SKIN |
| MV | SVN | 0,05 | | 0,1 | | INHAL |
| MV | SVN | 0,05 | | 0,1 | | SKIN |

Predicted no-effect concentration - PNEC

| | | |
|--|---------|---------|
| Normal value in fresh water | 0,0022 | mg/l |
| Normal value in marine water | 0,22 | mg/l |
| Normal value for fresh water sediment | 0,0475 | mg/kg/d |
| Normal value for marine water sediment | 0,00475 | mg/kg/d |
| Normal value for water, intermittent release | 0,00122 | mg/l |
| Normal value for fresh water, intermittent release | 0,122 | mg/l |
| Normal value for the terrestrial compartment | 0,0082 | mg/kg/d |

QUARTZ

Threshold Limit Value

| Type | Country | TWA/8h | STEL/15min | Remarks / Observations |
|----------|---------|--------|------------|------------------------|
| | | mg/m3 | ppm | |
| VLA | ESP | | 0,05 | RESP |
| VLEP | FRA | 0,1 | | RESP |
| GVI/KGVI | HRV | 0,1 | | |
| VLEP | ITA | 0,1 | | RESP |
| MV | SVN | 0,05 | | RESP |
| OEL | EU | 0,1 | | RESP |

QUARTZ

Threshold Limit Value

| Type | Country | TWA/8h | | STEL/15min | | Remarks / Observations |
|----------|---------|--------|------|------------|-----|------------------------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| VLA | ESP | | 0,05 | | | RESP |
| VLEP | FRA | 0,1 | | | | RESP |
| GVI/KGVI | HRV | 0,1 | | | | |
| VLEP | ITA | 0,1 | | | | RESP |
| MV | SVN | 0,15 | | | | RESP |
| OEL | EU | 0.1 | | | | RESP |

(3:1)

| | | | | |
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| SECTION 9. Physical and chemical properties ... / >> | | | | |
| pH | 8,5-10,5 | Method:pHmetro Mettler Toledo Temperature: 20 °C | | |
| Kinematic viscosity | not available | | | |
| Dynamic viscosity | 30200 | Method:Brookfield Remark:mPa*s Temperature: 20 °C | | |
| Solubility | not available | | | |
| Partition coefficient: n-octanol/water | not available | | | |
| Vapour pressure | not available | | | |
| Density and/or relative density | 1,6 | kg/dm3 | | |
| Relative vapour density | not available | | | |
| Particle characteristics | not applicable | | | |
| Supplementary information for nanoforms | | | | |
| MINEMA 1-2-44 | | | | |
| Shape 1: | | | | |
| D50 | 5 | µm | | |
| Crystallinity | | | | |
| Crystalline structure 1: | | | | |
| Surface functionalisation / treatment | | | | |
| Surface treatments 1: | | | | |
| 9.2. Other information | | | | |
| 9.2.1. Information with regard to physical hazard classes | | | | |
| Information not available | | | | |
| 9.2.2. Other safety characteristics | | | | |
| VOC (Directive 2010/75/EU) | 0,45 % | - | 7,18 | 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. | | | | |
| ETHANEDIOL | | | | |
| In the air absorbs moisture.Decomposes at temperatures above 200°C/392°F. | | | | |
| 10.2. Chemical stability | | | | |
| The product is stable in normal conditions of use and storage. | | | | |
| QUARTZ | | | | |
| 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. | | | | |
| ETHANEDIOL | | | | |
| Risk of explosion on contact with: perchloric acid.May react dangerously with: chlorosulphuric acid,sodium hydroxide,sulphuric acid,phosphorus pentasulphide,chromium (III) oxide,chromyl chloride,potassium perchlorate,potassium dichromate,sodium peroxide,aluminium.Forms explosive mixtures with: air. | | | | |
| 10.4. Conditions to avoid | | | | |
| None in particular. However the usual precautions used for chemical products should be respected. | | | | |
| ETHANEDIOL | | | | |
| Avoid exposure to: sources of heat,naked flames. | | | | |
| QUARTZ | | | | |
| Decomposes if exposed to: sources of heat. | | | | |
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| SECTION 10. Stability and reactivity ... / >> | | | |
| 10.5. Incompatible materials | | | |
| QUARTZ Incompatible with: Oxidants. | | | |
| 10.6. Hazardous decomposition products | | | |
| ETHANEDIOL May develop: hydroxyacetaldehyde,glyoxal,acetaldehyde,methane,carbon monoxide,hydrogen. | | | |
| 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 hazard classes as defined in Regulation (EC) No 1272/2008 | | | |
| <u>Metabolism, toxicokinetics, mechanism of action and other information</u> | | | |
| Information not available | | | |
| <u>Information on likely routes of exposure</u> | | | |
| ETHANEDIOL WORKERS: inhalation; contact with the skin. POPULATION: inhalation of ambient air; contact with the skin of products containing the substance. | | | |
| <u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u> | | | |
| ETHANEDIOL Ingestion initially stimulates the central nervous system; later replaced by a phase of depression. There may be kidney damage, with anuria and uremia. Over-exposure symptoms are: vomiting, drowsiness, difficulty in breathing, convulsions. The lethal dose for humans is approx. 1.4 ml/kg. | | | |
| <u>Interactive effects</u> | | | |
| Information not available | | | |
| <u>ACUTE TOXICITY</u> | | | |
| ATE (Inhalation) of the mixture: | | Not classified (no significant component) | |
| ATE (Oral) of the mixture: | | Not classified (no significant component) | |
| ATE (Dermal) of the mixture: | | Not classified (no significant component) | |
| MINEMA 1-2-44 | | | |
| LD50 (Dermal): | | > 2000 mg/kg Ratto | |
| LD50 (Oral): | | > 2000 mg/kg Ratto | |
| LC50 (Inhalation mists/powders): | | > 3 mg/l/4h Ratto | |
| TITANIUM DIOXIDE | | | |
| LD50 (Dermal): | | > 10000 mg/kg Coniglio | |
| LD50 (Oral): | | > 5000 mg/kg Ratto | |
| LC50 (Inhalation vapours): | | > 6,82 mg/l/4h Ratto | |
| TALC | | | |
| LD50 (Dermal): | | 2000 mg/kg Rat | |
| LD50 (Oral): | | 5000 mg/kg Rat | |
| LC50 (Inhalation mists/powders): | | 2,1 mg/l Rat | |
| ETHANEDIOL | | | |
| LD50 (Dermal): | | 9530 mg/kg Rabbit | |
| LD50 (Oral): | | > 2000 mg/kg Rat | |
| Terbutryn | | | |
| LD50 (Dermal): | | > 2000 mg/kg Coniglio | |
| LD50 (Oral): | | 2045 mg/kg Ratto | |
| LC50 (Inhalation mists/powders): | | > 2,2 mg/l/4h Ratto | |

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SECTION 11. Toxicological information ... / >>**2-OCTYL-2H-ISOTHIAZOL-3-ONE**

| | |
|----------------------------------|-----------------|
| LD50 (Dermal): | 311 mg/kg |
| LD50 (Oral): | 125 mg/kg Rat |
| LC50 (Inhalation mists/powders): | 270 mg/l/4h Rat |

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

| | |
|----------------------------------|--------------------|
| LD50 (Dermal): | 87,12 mg/kg Rabbit |
| LD50 (Oral): | 64 mg/kg Rat |
| LC50 (Inhalation mists/powders): | 0,33 mg/l/4h Rat |

4,5-dicloro-2-ottil-2H-isotiazol-3-one

| | |
|----------------------------------|--------------|
| LD50 (Oral): | 567 mg/kg |
| LC50 (Inhalation mists/powders): | 0,16 mg/l/4h |

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

4,5-dicloro-2-ottil-2H-isotiazol-3-one

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Skin sensitization

Ported principle with reference n ° S5146_R2 and S5147_R2 pursuant to article 9, paragraph 4, and sections 3.4.3.1/3.4.3.2 of the Annex of the CLP (EC) regulation 1272/2008

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TALC

Overall IARC evaluation: Perineal use of talc-based body powder is possibly carcinogenic to humans (Group2B). Inhaled talc not containing asbestos or asbestiform fibres is not classifiable as to its carcinogenicity (Group 3).

ETHANEDIOL

Available studies have shown no carcinogenic potential. In a carcinogenicity study lasting two years, carried out by the US National Toxicology Program (NTP), in which ethylene glycol was administered in the feed, "no evidence of carcinogenic activity" in male and female B6C3F1 mice was observed (NTP, 1993).

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

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. Toxicity

MINEMA 1-2-44

LC50 - for Fish > 100 mg/l/96h
Chronic NOEC for Algae / Aquatic Plants > 14 mg/l

TITANIUM DIOXIDE

LC50 - for Fish > 1000 mg/l/96h
EC50 - for Crustacea > 1000 mg/l/48h Pulce d'acqua grande
EC50 - for Algae / Aquatic Plants > 10000 mg/l/72h Alghe cloroficee
EC10 for Algae / Aquatic Plants 12,7 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants 5600 mg/l

TALC

LC50 - for Fish 99790,5 mg/l/96h
EC50 - for Crustacea 36812 mg/l/48h
EC50 - for Algae / Aquatic Plants 7203 mg/l/72h
EC10 for Algae / Aquatic Plants 918,089 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants 918,089 mg/l

Terbutryn

LC50 - for Fish 1,9 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea 6,4 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants 0,0067 mg/l/72h Desmodesmus subspicatus
Chronic NOEC for Fish 0,073 mg/l pimephales promelas
Chronic NOEC for Crustacea 0,05 mg/l Daphnia magna
Chronic NOEC for Algae / Aquatic Plants 0,0005 mg/l Desmodesmus subspicatus

2-OCTYL-2H-ISOTHIAZOL-3-ONE

LC50 - for Fish 0,122 mg/l/96h
EC50 - for Crustacea 0,181 mg/l/48h
EC50 - for Algae / Aquatic Plants 0,15 mg/l/72h
EC10 for Algae / Aquatic Plants 0,068 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants 0,068 mg/l

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

LC50 - for Fish 0,19 mg/l/96h
EC50 - for Crustacea 0,16 mg/l/48h
EC50 - for Algae / Aquatic Plants 0,037 mg/l/72h
Chronic NOEC for Fish 0,0464 mg/l
Chronic NOEC for Crustacea 0,1 mg/l
Chronic NOEC for Algae / Aquatic Plants 0,0012 mg/l

4,5-dicloro-2-ottil-2H-isotiazol-3-one

LC50 - for Fish 0,0078 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea 0,0097 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants 0,025 mg/l/72h Desmodesmus subspicatus
Chronic NOEC for Fish 0,00047 mg/l Brachydanio rerio
Chronic NOEC for Crustacea 0,0004 mg/l Daphnia magna
Chronic NOEC for Algae / Aquatic Plants 0,015 mg/l Desmodesmus subspicatus

12.2. Persistence and degradability

MINEMA 1-2-44

Solubility in water 50,05 mg/l 0,1-100
Degradability: information not available Sostanza inorganica

SECTION 12. Ecological information ... / >>**QUARTZ**

Degradability: information not available

TITANIUM DIOXIDE

Degradability: information not available

Sostanza inorganica

TALC

Solubility in water

0,1 mg/l

Degradability: information not available

Sostanza inorganica

ETHANEDIOL

Solubility in water

1000 - 10000 mg/l

Rapidly degradable

QUARTZ

Degradability: information not available

Terbutryn

Rapidly degradable

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Solubility in water

500 mg/l

NOT rapidly degradable

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

NOT rapidly degradable

<50%

4,5-dicloro-2-ottil-2H-isotiazol-3-one

Rapidly degradable

12.3. Bioaccumulative potential**TALC**

Partition coefficient: n-octanol/water

-9,4 Log Kow

BCF

3,16

ETHANEDIOL

Partition coefficient: n-octanol/water

-1,36

Terbutryn

Partition coefficient: n-octanol/water

3,19 Log Kow Metodo HPLC

BCF

103

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: n-octanol/water

2,61 Log Kow

BCF

19,21

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Partition coefficient: n-octanol/water

< 0,71 Log Kow Metodo HPLC

BCF

3,16

4,5-dicloro-2-ottil-2H-isotiazol-3-one

Partition coefficient: n-octanol/water

4,4 Log Kow

BCF

13

12.4. Mobility in soil**TALC**

Partition coefficient: soil/water

31,82

2-OCTYL-2H-ISOTHIAZOL-3-ONE

Partition coefficient: soil/water

179,8

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

| | | |
|---|--|---|
| <div> <div>Licata S.p.A.</div> <div>P0012 - KALANIT QUARZO</div> </div> | | <div> <div>Revision nr.6</div> <div>Dated 13/06/2025</div> <div>Printed on 13/06/2025</div> <div>Page n. 12 / 15</div> <div>Replaced revision:5 (Dated 12/09/2024)</div> </div> <div>EN</div> |
| SECTION 12. Ecological information ... / >> | | |
| <div>12.6. Endocrine disrupting properties</div> <div>Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.</div> | | |
| <div>12.7. Other adverse effects</div> <div>Information not available</div> | | |
| SECTION 13. Disposal considerations | | |
| <div>13.1. Waste treatment methods</div> <div> 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. The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations. </div> | | |
| SECTION 14. Transport information | | |
| <div>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.</div> | | |
| <div>14.1. UN number or ID number</div> <div>not applicable</div> | | |
| <div>14.2. UN proper shipping name</div> <div>not applicable</div> | | |
| <div>14.3. Transport hazard class(es)</div> <div>not applicable</div> | | |
| <div>14.4. Packing group</div> <div>not applicable</div> | | |
| <div>14.5. Environmental hazards</div> <div>not applicable</div> | | |
| <div>14.6. Special precautions for user</div> <div>not applicable</div> | | |
| <div>14.7. Maritime transport in bulk according to IMO instruments</div> <div>Information not relevant</div> | | |
| SECTION 15. Regulatory information | | |
| <div>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</div> <div> <div>Seveso Category - Directive 2012/18/EU:</div> <div>None</div> <div>Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006</div> </div> | | |
| <div> <div>EPY 11.9.0 - SDS 1004.14</div> </div> | | |

SECTION 15. Regulatory information ... / >>

| | |
|---------------------|----|
| Product | |
| Point | 3 |
| Contained substance | |
| Point | 75 |

Regulation (EU) 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 Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

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. 2 | Acute toxicity, category 2 |
| Acute Tox. 3 | Acute toxicity, category 3 |
| Acute Tox. 4 | Acute toxicity, category 4 |
| STOT RE 1 | Specific target organ toxicity - repeated exposure, category 1 |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, category 2 |
| Skin Corr. 1C | Skin corrosion, category 1C |
| Skin Corr. 1 | Skin corrosion, category 1 |
| Eye Dam. 1 | Serious eye damage, category 1 |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| Skin Sens. 1A | Skin sensitization, category 1A |
| Skin Sens. 1B | Skin sensitization, category 1B |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute toxicity, category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| H310 | Fatal in contact with skin. |
| H330 | Fatal if inhaled. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H302 | Harmful if swallowed. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H410 | Very 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

P0012 - KALANIT QUARZO**SECTION 16. Other information ... / >>**

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
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 4. Regulation (EC) 790/2009 (I Atp. CLP) 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
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 - Handling Chemical Safety
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 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website

P0012 - KALANIT QUARZO**SECTION 16. Other information ... / >>**

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

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.

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:

02 / 03 / 04 / 08 / 09 / 11 / 12 / 13 / 16.