

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.05.2015

Version number 1501

Revision: 19.05.2015

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

1.1 Product identifier

Trade name: **CORITEC mill & grind liquid**
 Article number: 5360-0536

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

No further relevant information available.

Application of the substance / the mixture: mill and grind processing aid: Water/CORITEC 40:1

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: imes-icore GmbH
 Im Leibolzgraben 16
 36132 Eiterfeld
 Deutschland
 Tel.: +49 6672 898-465
 Fax: + 49 6672 898-461
 www.imes-icore.de

Further information obtainable from: Environment protection department

1.4 Emergency telephone number:

Advice centre for poisoning university Mainz phone +49(0)6131/19240
 or poison information:+49(0)700/GIFTINFO

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

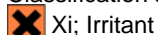
Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R36: Irritating to eyes.



Xi; Sensitising

R43: May cause sensitisation by skin contact.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Classification system:

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



GHS07

Signal word

Warning

Hazard-determining components of labelling:

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

Hazard statements

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation: Mixtures**

Wasser	10-25%
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Dangerous components:

CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	50-100%
CAS: 122-99-6 EINECS: 204-589-7	2-Phenoxyethanol ☒ Xn R22; ☒ Xi R36 ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	2.5-10%
CAS: 55965-84-9	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) ☒ T R23/24/25; ☒ C R34; ☒ Xi R43; ☒ N R50/53 ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ☒ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	< 2.5%

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

SECTION 4: First aid measures**4.1 Description of first aid measures**

- General information: Seek immediate medical advice.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Position and transport stably in side position.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Seek immediate medical advice.
Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Hydrogen chloride (HCl)
Carbondioxid (CO₂)

5.3 Advice for firefighters

- Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Berührungen mit den Augen und der Haut vermeiden
Refer to Nr. 8

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

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**

No special precautions are necessary if used correctly.
Open and handle receptacle with care.

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. 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: Store only in the original receptacle.
Store in a cool location.

. Information about storage in one common storage facility: Store away from foodstuffs.

. Further information about storage conditions: Store receptacle in a well ventilated area.

. 7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

. Additional information about design of technical facilities: No further data; see item 7.

. 8.1 Control parameters

. Ingredients with limit values that require monitoring at the workplace:

56-81-5 glycerolWEL | Long-term value: 10 mg/m³

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

. 8.2 Exposure controls

. Personal protective equipment:

. General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

. Respiratory protection:

Not required.

. Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

. 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 to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.7 mm

. Penetration time of glove material

Value for the permeation: Level $\leq 0,7$ mm 480min (8h) EN374

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

. Not suitable are gloves made of the following materials:

Natural rubber, NR

PVA gloves

. Eye protection:

Tightly sealed goggles

SECTION 9: Physical and chemical properties**. 9.1 Information on basic physical and chemical properties**

. General Information

. Appearance:

. Form:

Fluid

. Colour:

Colourless

. Odour:

Characteristic

. Odour threshold:

Not determined.

. pH-value:

Not determined.

. Change in condition

. Boiling point/Boiling range:

99 °C

. Flash point:

> 100 °C

. Flammability (solid, gaseous):

Not applicable.

. Ignition temperature:

400 °C

. Decomposition temperature:

Not determined.

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. Self-igniting:	Product is not selfigniting.
. Danger of explosion:	Not determined.
. Explosion limits:	
. Lower:	0.9 Vol %
. Upper:	Not determined.
. Vapour pressure at 20 °C:	0.1 hPa
. Density:	Not determined.
. Relative density	Not determined.
. Vapour density	Not determined.
. Evaporation rate	Not determined.
. Solubility in / Miscibility with	
. water:	Fully miscible.
. Partition coefficient (n-octanol/water):	Not determined.
. Viscosity:	
. Dynamic:	Not determined.
. Solvent content:	
. Organic solvents:	95.4 %
. Water:	4.0 %
. Solids content:	0.1 %
. 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

. 10.1 Reactivity	
. 10.2 Chemical stability	
. Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
. 10.3 Possibility of hazardous reactions	Forms explosive gas mixture with air. Reacts with strong oxidising agents.
. 10.4 Conditions to avoid	Keep away form ignition sources - Do not smoke.
. 10.5 Incompatible materials:	No further relevant information available.
. 10.6 Hazardous decomposition products:	Nitrogen oxides Hydrogen chloride (HCl) Sulphur dioxide

SECTION 11: Toxicological information

. 11.1 Information on toxicological effects	
. Acute toxicity:	
. LD/LC50 values relevant for classification:	Mixture of: 5-Chlor-2-methyl-2H-isothiazol-3-on [EG Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on [EG Nr. 220-239-6] (3:1) (CIT/MIT) LD50 Dermal - Ratte >5000 mg/kg - * LD50 Oral - Ratte >2000 mg/kg - *
. Primary irritant effect:	
. on the skin:	Irritant to skin and mucous membranes.
. on the eye:	irritant
. Sensitisation:	Sensitisation possible through skin contact.
. Additional toxicological information:	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

SECTION 12: Ecological information

. 12.1 Toxicity	
. Aquatic toxicity:	Gemisch aus: 5-Chlor-2-methyl-2H-isothiazol-3-on [EG Nr. 247-500-7] und 2-Methyl-2H-isothiazol-3-on [EG Nr. 220-239-6] (3:1) Aquatische Toxizität LC50: 96h:0.19 mg/l Oncorhynchus mykiss (Regenbogenforelle) LC50: 96h:0.28 mg/l Lepomis macrochirus EC50:48h:0.16 mg/l Daphnia magna EC50:72h:0.018 mg/l Pseudokirchneriella subcapitata EC50:16h:5.7 mg/l Pseudomonas putida
. 12.2 Persistence and degradability	No further relevant information available.
. 12.3 Bioaccumulative potential	No further relevant information available.
. 12.4 Mobility in soil	No further relevant information available.
. Other information:	Ökotoxische Wirkungen: Quarternäre Ammoniumverbindungen Toxizität gegenüber Fischen: 0,71 mg/l (LC 50) Spezies: Danio rerio,

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Akute Toxizität, Expositionszeit: 96h
Methode: OECD-Prüfrichtlinie 203

- Toxizität gegenüber Bakterien: 10 - 100mg/l
(EC 50) Methode: OECD 209
- . 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.
 - . **12.5 Results of PBT and vPvB assessment**
 - . PBT: Not applicable.
 - . vPvB: Not applicable.
 - . **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
 - . Recommendation: Must be specially treated adhering to official regulations.
 - . Uncleaned packaging:
 - . Recommendation: Dispose of packaging according to regulations on the disposal of packagings.

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 MARPOL73/78 and the IBC Code** Not applicable.
- . Transport/Additional information: Not dangerous according to the above specifications.
- . UN "Model Regulation": -

SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - . National regulations:

Class	Share in %
Wasser NK	10-25 50-100

- . Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Department issuing MSDS: Environment protection department.
- . Abbreviations and acronyms:
 - 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
 - Acute Tox. 3: Acute toxicity, Hazard Category 3
 - Acute Tox. 4: Acute toxicity, Hazard Category 4
 - Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
 - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 - Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
 - Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

. * Data compared to the previous version altered.