Safety Data Sheet
ECOPRIM GRIP

Safety Data Sheet dated 29/6/2017, version 3

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

1.1. Product identifier
   Trade name: ECOPRIM GRIP

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Water-borne synthetic resin based primer.
   Uses advised against:
   ==

1.3. Details of the supplier of the safety data sheet
   Supplier:
   MAPEI U.K. Ltd - Mapei House Steel Park Road
   Halesowen - West Midlands B62 8HD
   Competent person responsible for the safety data sheet:
   sicurezza@mapei.it

1.4. Emergency telephone number
   MAPEI U.K. Ltd - phone: +44(0)121 508 6970
   fax: +44(0)121 5086 960
   www.mapei.co.uk (office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   EC regulation criteria 1272/2008 (CLP)
   The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
   Adverse physicochemical, human health and environmental effects:
   No other hazards

2.2. Label elements
   Hazard pictograms:
   None
   Hazard Statements:
   None
   Precautionary Statements:
   None
   Special Provisions:
   EUH210 Safety data sheet available on request.
   Contains
   1,2-benzisothiazol-3(2H)-one : May produce an allergic reaction.
   reaction mass 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): May produce an allergic reaction.
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Special provisions according to Annex XVII of REACH and subsequent amendments:
None
2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
None
See at paragraph 11 the additional information concerning crystalline silica

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.

3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:
>= 25% - < 50% free crystalline silica (Ø >10 µ)
CAS: 14808-60-7, EC: 238-878-4
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

>= 0.005% - < 0.01% 1,2-benzisothiazol-3(2H)-one
Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9
3.1/2/Inhal Acute Tox. 2 H330
3.2/2 Skin Irrit. 2 H315
3.3/1 Eye Dam. 1 H318
4.1/C2 Aquatic Chronic 2 H411
3.4.2/1 Skin Sens. 1 H317
4.1/A1 Aquatic Acute 1 H400
3.1/4/Oral Acute Tox. 4 H302

>= 0.00015% - < 0.0015% reaction mass 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)
Index number: 613-167-00-5, CAS: 55965-84-9, EC: 611-341-5
3.2/1B Skin Corr. 1B H314
3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317
4.1/A1 Aquatic Acute 1 H400
4.1/C1 Aquatic Chronic 1 H410
3.1/3/Oral Acute Tox. 3 H301
3.1/3/Dermal Acute Tox. 3 H311
3.1/3/Inhal Acute Tox. 3 H331

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Wash with plenty of water and soap.
In case of eye contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wash immediately with water for at least 10 minutes.
In case of Ingestion:
Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION
**IMMEDIATELY.**
A suspension of activated charcoal in water, or petroleum jelly may be administered.
Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.

In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed
No specific hazards are encountered under normal product use.

4.3. Indication of any immediate medical attention and special treatment needed
Treatment:
(see paragraph 4.1)

### SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
- Water.
- CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
The product does not present a fire hazard
Do not inhale explosion and combustion gases.
The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.

5.3. Advice for firefighters
Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Limit leakages with earth or sand.
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
After the product has been recovered, rinse the area and materials involved with water.
Suitable material for taking up: absorbing material, organic, sand
Wash with plenty of water.
Retain contaminated washing water and dispose it.

6.4. Reference to other sections
See also section 8 and 13

### SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.

Incompatible materials:
None in particular.

Instructions as regards storage premises:
Adequately ventilated premises.
Store above 5°C.

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
free crystalline silica (Ø >10 µ) - CAS: 14808-60-7
ACGIH - TWA(8h): 0.025 mg/m³ - Notes: (R), A2 - Pulm fibrosis, lung cancer

DNEL Exposure Limit Values
N.A.

PNEC Exposure Limit Values
N.A.

8.2. Exposure controls
Eye protection:
Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:
No special precaution must be adopted for normal use.

Respiratory protection:
Not needed for normal use.

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Thermal Hazards:
None

Environmental exposure controls:
None

Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance: liquid
Colour: grey
Odour: typical
Odour threshold: N.A.

pH: 8.5

Melting point / freezing point: N.A.
Initial boiling point and boiling range: N.A.
Solid/gas flammability: N.A.
Upper/lower flammability or explosive limits: N.A.
Vapour density: N.A.
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Flash point: == °C
Evaporation rate: N.A.
Vapour pressure: N.A.
Relative density: 1,50 g/cm³ (23°C)
Vapour density (air=1): N.A.
Solubility in water: soluble
Solubility in oil: insoluble
Viscosity: N.A.
Auto-ignition temperature: == °C
Explosion limits (by volume): ==
Partition coefficient (n-octanol/water): N.A.
Explosive properties: ==
Oxidizing properties: N.A.

9.2. Other information
Miscibility: N.A.
Fat Solubility: N.A.
Conductivity: N.A.
Substance Groups relevant properties N.A.

SECTION 10: Stability and reactivity
10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
None in particular.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Route(s) of entry:
Ingestion: Yes
Inhalation: No
Contact: No
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
Toxicological information on main components of the mixture:
Toxicological information of the product: N.A.
Toxicological information of the main substances found in the product:
reaction mass 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) - CAS: 55965-84-9
a) acute toxicity:
   Test: LD50 - Route: Oral - Species: Rat = 457 mg/kg
   Test: LC50 - Route: Inhalation - Species: Rat = 2.36 mg/l - Duration: 4h
   Test: LD50 - Route: Skin - Species: Rabbit = 660 mg/kg
Corrosive/Irritating Properties:
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Eye:
The product can cause a temporary irritation by contact.

Cancerogenic Effects:
The IARC (International Agency for Research on Cancer) believes that the crystalline silica inhaled at the workplace can cause lung cancer in man. However, it also points out that the cancer effect depends on the silica characteristics and on the biological-physical condition of the environment. There is a large amount of information in support of the fact that increased risk of cancer is limited to persons suffering from silicosis.

In the current situation of studies, protection of workers from silicosis can be ensured by respecting the exposure limit values.

Mutagenic Effects:
No effects are known.

Teratogenic Effects:
No effects are known.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:
- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

SECTION 12: Ecological information

12.1. Toxicity
Adopt good industrial practices, so that the product is not released into the environment.

Not available data on the mixture

1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5

a) Aquatic acute toxicity:
   - Endpoint: EC50 - Species: Daphnia = 3.27 mg/l - Duration h: 48
   - Endpoint: EC50 - Species: Algae = 0.11 mg/l - Duration h: 72
   - Endpoint: LC50 - Species: Fish = 1.6 mg/l - Duration h: 96

b) Aquatic chronic toxicity:
   - Endpoint: NOEC - Species: Fish = 0.21 mg/l
   - Endpoint: NOEC - Species: Daphnia = 1.2 mg/l - Notes: 21 g

reaction mass 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) - CAS: 55965-84-9

a) Aquatic acute toxicity:
   - Endpoint: EC50 - Species: Daphnia = 0.12 mg/l - Duration h: 48
   - Endpoint: RC50 - Species: Fish = 0.22 mg/l - Duration h: 96
   - Endpoint: EC50 - Species: Algae = 0.048 mg/l - Duration h: 72

b) Aquatic chronic toxicity:
   - Endpoint: NOEC - Species: Algae = 0.0012 mg/l - Duration h: 72
   - Endpoint: NOEC - Species: Fish = 0.098 mg/l - Notes: 28 d
   - Endpoint: NOEC - Species: Daphnia = 0.004 mg/l - Notes: 21 d
12.2. Persistence and degradability
N.A.
12.3. Bioaccumulative potential
N.A.
12.4. Mobility in soil
N.A.
12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
12.6. Other adverse effects
None
Not available data on the mixture

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.
Disposal of not hardened product (EC waste code) : 08 04 14
The suggested European waste code is just based on the composition of the product.
According to the specific process or application field a different waste code may be necessary.

SECTION 14: Transport information
14.1. UN number
Not classified as dangerous in the meaning of transport regulations.
14.2. UN proper shipping name
N.A.
14.3. Transport hazard class(es)
ADR-Upper number: NA
N.A.
14.4. Packing group
N.A.
14.5. Environmental hazards
Marine pollutant: No
N.A.
14.6. Special precautions for user
N.A.
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation
(EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
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Restriction 40
Restrictions related to the substances contained:
   No restriction.
REACH Regulation (1907/2006) – All. XVII: N.A.
Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I -
Protection against chemical agents"
Directive 2000/39/CE and s.m.i. (Professional threshold limit)
Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions.
(Environmental regulations)
ADR Agreement – IMDG Code – IATA Regulation
VOC (2004/42/EC) : N.A. g/l

Social Dialogue on Respirable Crystalline Silica

On April 26, 2006 was signed a multi-sector social dialogue, based on a "Guide to Good Practices", on
workers health protection who are in contact with products containing crystalline silica.
The text of the agreement published in G.U. European Union (2006 / C 279/02) and the "Guide to
Good Practices", with attachments, are available on www.nepsi.eu website, they offer guidelines and
useful information for handling products containing respirable crystalline silica.

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
   None

SECTION 16: Other information

Text of phrases referred to under heading 3:
   H330 Fatal if inhaled.
   H315 Causes skin irritation.
   H318 Causes serious eye damage.
   H411 Toxic to aquatic life with long lasting effects.
   H317 May cause an allergic skin reaction.
   H400 Very toxic to aquatic life.
   H302 Harmful if swallowed.
   H314 Causes severe skin burns and eye damage.
   H410 Very toxic to aquatic life with long lasting effects.
   H301 Toxic if swallowed.
   H311 Toxic in contact with skin.
   H331 Toxic if inhaled.

Paragraphs modified from the previous revision:

   SECTION 3: Composition/information on ingredients
   SECTION 8: Exposure controls/personal protection
   SECTION 11: Toxicological information
   SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:
   NIOSH - Registry of toxic effects of chemical substances
   ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
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Commission of the European Communities
The information contained herein is based on our state of knowledge at the above-specified date. It
refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the
specific use intended.
This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of
Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical
Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of
Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the “International Air Transport
Association” (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the “International Civil Aviation Organization”
(ICAO).
INCI: International Nomenclature of Cosmetic Ingredients.
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods
by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day.
(ACGIH Standard).
OEL: Substance with a Union workplace exposure limit.
VLE: Threshold Limiting Value.
WGK: German Water Hazard Class.
TSCA: United States Toxic Substances Control Act Inventory
DSL: DSL - Canadian Domestic Substances List
N.A.: Not available