

Safety data sheet according Regulation (EC) n. 453/2010.

Last version 0000 of 7th October 2016.

1. Product and Society identification

1.1 Product identification

Commercial name: **Ecoprime CVB**
N° of Registration Reach: free.

1.2 Relevant identified uses of product and recommended uses

Water based primer - vapor barrier for concrete supports.

1.3 Details of the supplier of the safety data sheet

Name of the society: Kingfield Construction Products
20 N 4th St, Suite 300
Minneapolis, MN 55401 USA
Tel. +1 612.225.5167
Fax +1 612.225.5167
E-mail: info@kingfieldcp.com
Emergency telephone number

Emergency telephone number of the company and / or official advisory body:
Kingfield Construction Products Tel. +1 612.225.5167
Available outside working hours? No.

2. Hazards identification

2.1 Classification of the substance or mixture

This product does not meet the classification criteria in any hazard class, according to the regulation (EC) n. 1272/2008 related to classification, labelling and packaging of substances and mixtures.

2.2 Label elements

Label according the regulation (EC) n. 1272/2008 [CLP]

Hazard pictograms: none.

Warnings: none.

Hazard statements: none. Safety

advice: none.

Additional information on dangers (EU):

EUH208 — Contains: 1,2 - benzisotiazol-3(2H)-one e (< 0,0015%) mixture of: 5- chlorine -2-methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one.

EUH210 — Safety data sheet available on request.

2.3 Other hazards

No available data.

Classification and labelling have been made based on safety data sheets of raw materials that compose the product.

3. Composition/information on ingredients

3.1 Substances

Not applicable. The product is a mixture.

3.2 Mixtures

Dangerous substances that determine the classification: none.

Additional information:

EUH208 — It contains: 1,2 – benzisotiazol-3(2H)-one e (< 0,0015%) mixture of: 5-chlorine -2- methyl-2H -isotiazol-3-one [EC no 247-500-7]; 2-methyl-2 H -isotiazol-3-one.

EUH210 — Safety data sheet available on request.

For the full text of the H advice: see SECTION 16. Impurity:

It does not contain impurities relevant for classification and labelling.

4. First aid measures

General measures:	Immediately take off the contaminated clothes and shoes.
Vapors inhalation:	Ventilate the premises. Remove the person from the contaminated area to an open-air space. If you feel unwell seek medical advice, showing this safety data sheet or the label.
Skin contact:	Wash immediately and abundantly with soap and water. If a skin irritation occurs, seek medical advice.
Eye-contact:	Wash immediately and abundantly with running water, with eyelids open, for at least 15 minutes. If necessary, consult an ophthalmologist, showing this safety data sheet or the label.
Ingestion:	Rinse mouth with plenty of water, do not induce vomit. Immediately consult a doctor, showing this safety data sheet. Never give anything by mouth to an unconscious person.

4.1 Main symptoms and effects, both acute and delayed.

Eye irritation or irritation of mucous membranes of the first respiratory tract.

4.2 Indication of any immediate medical attention or special treatments.

Symptomatic treatment (decontamination of vital functions).

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: pulverized water, water mist, powder, foam, carbon dioxide (CO₂). Use extinguishing measures appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing agents: water jet.

5.2 Special hazards arising from the substance

In case of fire and/or explosion do not breathe fumes. Thermal decomposition of flammable or toxic products can produce acrylate, methacrylate, and styrene.
Combustion can develop toxic product: carbon oxide.

Avoid breathing combustion products (carbon oxide, toxic pyrolysis products etc.).

5.3 Advice for fire-fighters

Specific methods: water sprays can be used to cool down closed containers. Extinguishing media must not have access to any waterways, sewers, or drains.

Special activities for the protection of fire fighters:

In case of fire, wear self-breathing apparatus and protective clothes.

Use self-breathing apparatus and extinguishing media suitable with local circumstances and with the surrounding environment. Wear complete protection for eyes, flame proof complete uniform, anti-heat gloves and shoes.

Fire residues and fire contaminated water must be disposed of according to local, national and Community laws.

6. Measures in case of accidental release

6.1.1 For non-emergency responders

Remove all those who do not have a suitable protection device.

Avoid contact with skin and eyes – wear appropriate personal protective equipment (see section 8).

6.1.2 For emergency responders

Remove people who do not wear any protective equipment.

Avoid contact with skin, eyes – wear suitable protective equipment. Wear gloves, protective equipment, goggles, boots, and respiratory tract protection (self-breathing device) (see section 8).

Remove all free flames and potential ignition flames. Do not smoke. Provide adequate ventilation.

6.2 Environmental precautions

Contain the spillage. Avoid that the product uncontrollably reaches water course or sewage system. In the event of any spillage into waterways, alert the Environment Agency or other body in charge of environmental protection.

6.3 Methods and materials for containment and cleaning

Small quantities: collect the spillage with absorbent material (sand, vermiculite, and perlite), pour in suitable and labelled containers and dispose of according local, national and Community regulations. If the spillage happened inside, ventilate the room. After the collection, wash the area with water and the materials by recovering the water used and sent away for the disposal in authorized plants.

Big quantities: Mechanically draw the product, pour it in suitable levelled containers, retrieve or dispose of according to local, National and Community applicable

regulations. If the spillage happened inside, ventilate the room. After the collection, wash the area with water and the materials by recovering the water used and sent away for the disposal in authorized plants.

6.4 Reference to other sections

For more information regarding exposure controls / personal protection and disposal considerations see sections 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling

7.1.1 Protection measures

Avoid contact with skin, eyes, and mucous membranes, do not ingest. Wear protective equipment for hands, eyes, and skin (see section 8). Do not use contact lenses when working with this product. Keep away from foods and beverages. Do not breathe vapors, aerosol and gas. Consider a grounding system.

7.1.2 Advice on general occupational hygiene

Avoid inhalation, ingestion or contact with skin and eyes. General measures of occupational hygiene are necessary to guarantee a safe manipulation of the substance. This measure includes: good personal practices, regular cleaning of workplaces, do not drink, eat, or smoke in the workplace, wash hands after handling, take shower and change clothes after the shift. Do not take contaminated clothes at home and wash them separately.

7.2 Conditions for safe storage, including any incompatibilities

Store the product in its original closed containers, a dry place, away from sunlight, water, and ice, at temperatures between +5°C and +35°C. Store away from acids, oxidizing substances, free flames, sparkles, or heat sources. Keep out of reach of children.

If the product is stored in the building site, it must be adequately protected from sun, water, and ice, and kept at temperature between +5°C and +35°C.

8. Exposure controls/ personal protection

Exposure Limit Values: none.

The product contains quartz, and in United Kingdom is subjected to mandatory maximum exposure limits of 0.3 mg/m³ of breathable quarts in a time-weighted average of 8 hours. If these limits are exceeded, it must be used a system for the extraction of the powder.

The occupational exposure limit (LEP) for breathable crystalline silica dust is 0.025 mg/m³, measured in Italy as TWA (time-weighted average).

Such exposure limit should not be considered under normal use and storage conditions, because is present inside the product in a liquid form and therefore is not inhalable.

For the equivalent limits in other countries, consult a competent occupational hygienist or the institution of field.

8.2 Exposure control

It is recommended to use the product only in open air spaces or in areas provided with suitable ventilation systems. Wear personal protective equipment (goggles, protective clothes, safety shoes).

8.2.1 Appropriate engineering controls

None.

8.2.2 Individual protection measures, such as personal protective equipment

8.2.2.1 Eye/face protection

Do not use contact lenses. Use tight fitting goggles with side shields, or mask type according to the standard EN 166 or full mask according to EN 402.

Use an eye protection compatible with the system used for the protection of the respiratory tract.

8.2.2.2 Skin protection

Wear protective gloves suitable for chemical agents (protection index 6, equivalent to a permeation time > 480 minutes), waterproofing and in compliance with EN 374 part 1 and 2. PVC clothes, neoprene or butyl rubber. It should be noticed that, because of several factors (for example temperature), the duration of a glove for protection against chemical agents may considerably be lower than the permeation time detected by the test. Change gloves in case of wear or internal contaminations. Wear standard protective clothing covering the entire surface of the skin, long pants, long sleeves suit and safety shoes.

8.2.2.3 Respiratory protection

Use respiratory protection tools with EC marking, in compliance with the requirements expected by applicable norms (Legislations 89/656/CEE, 89/686/CEE), when the risks for respiratory tract cannot be avoided or sufficiently limited with measures, methods or procedures of work organizations. Adequately ventilate the rooms where the product will be used or stored.

8.2.2.4 Thermal hazards

No available data.

8.2.3 Environmental exposure controls

Contain the spillage. In the event of any spillage into waterways, alert the Environment Agency or other body in charge of environmental protection.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Aspect:	liquid
Color:	transparent
Odor:	light typical
Odor threshold:	N.D.
Density:	1.00 kg/l
Melting point/ interval:	0°C water.
Boiling point/interval:	100°C water
Flashing point:	N.A. (not flammable)
Flammability (solids, gas):	not flammable
Evaporation rate:	N.D.
Vapor pressure:	N.D.
Relative vapor density:	N.D.
Danger of explosion:	N.A. (not explosive)
Explosive lower limit:	N.A.

Explosive upper limit:	N.A.
Water solubility:	partially soluble
Subdivision of n-octane / water coefficient:	N.A.
Auto-ignition temperature:	N.A. (water based product)
Decomposition temperature:	N.D.
Dynamic viscosity:	N.D.
Oxidizing properties:	N.D.

9.2 Other information

No available data.

Note: the above values related to physic-chemical properties are typical values for this product and should not, therefore, be considered as a specification.

10. Stability and reactivity

10.1 Reactivity

Possibility of reaction with acids or oxidizing substances.

10.2 Chemical stability

The product is stable if handling/storage indications are respected.

10.3 Possibility of hazardous reactions

Possibility of reaction with acids or oxidizing substances.

10.4 Conditions to avoid

Store the product in dry place in its original and well closed containers, away from sunlight, water, and ice, at temperature between +5°C and +35°C. Store away from acids, oxidizing substances, free flames, sparkles, or heat sources. Keep out of reach of children.

If the product is stored in the building site, it must be adequately protected from sun, water, and ice, and kept at temperature between +5°C and +35°C.

10.5 Incompatible Materials

Store away from acids and strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxide. Reaction with acids releases carbon dioxide.

In case of fire or with thermal decomposition, gas, or vapors potentially dangerous for health can be released, for example carbon dioxide or carbon monoxide.

10.7 Polymerization

The product does not polymerize.

11. Toxicological information

In absence of experimental toxicological data of the product itself, toxicological information for health have been evaluated based on properties of contained substances, according to criteria expected by the reference standard for the classification.

- Acute toxicity: no dangerous substance is contained inside the mixture for the evaluation of toxicity.
- Irritation / corrosion: if the product, when drying, sticks to the skin, it may cause an irritation.
- Irritation of respiratory tract: prolonged exposure to fumes and/or vapor may potentially cause eye irritation or to upper respiratory tract.
- Sensitization of respiratory tract or skin: The formulation may, in particularly sensitive individuals, cause light effects on health, due to inhalation exposure, skin absorption and/or eye contact and/or ingestion.
- Mutagenicity on germ cells: all available information does not provide any indication on a potential mutagenic effect.
- Carcinogenicity: all available information does not provide any indication on a potential carcinogenic effect.
- Reproduction toxicity: all available information does not provide any indication on a potential toxic effect on reproduction.
- Developmental toxicity: all available information does not provide any indication on a potential developmental toxicity.
- Repeated dose toxicity and toxicity specific for target organs (repeated exposure): all available information does not provide any indication on a potential toxicity of repeated dose and toxicity specific for target organs (repeated exposure).
- Other indications on toxicity: all available information does not provide any indication on other indications for toxicity.

The product was not tested. The data reported in this paragraph are based on the information contained in safety data sheets of raw materials that composes the product.

12. Ecological information

12.1 Toxicity

In absence of experimental toxicological data on the product itself, potential dangers for the environment have been evaluated based on properties of contained substances, according to criteria expected by the reference standard for the classification.

Toxicological information about the mixture: no available data.

Toxicological information about main substances of the mixture: no dangerous substances are contained in the mixture for toxicity evaluation.

General effect

No available data.

12.2 Persistence and degradability

It is considered as non-biodegradable.

Do not pour the product in the pipeline and water course, if the product has escaped into a water course into the drainage system or has contaminated the ground or vegetation, notify the competent authorities.

12.3 Bio-accumulative potential

A bio-accumulative potential is not predictable.

12.4 Mobility in soil

The product has mobility potential.

Assessment transport between environmental compartments: no available data.

12.5 Results of evaluations on the PBT or vPvB

According to information on substances, it was found that the mixture does not meet the criteria for PBT/vPvB.

12.6 Other adverse effects

No available data.

12.7 Additional information

Absorbable organic halogen compounds (AOX): No available data.

The product was not tested. The data reported in this paragraph are based on information contained in safety data sheets of raw materials that compose the product.

13. Disposal considerations

13.1 Waste treatment methods

For the disposal, eliminate the product in a suitable incineration plant, respecting local, National and Community applicable norms. The product cannot be disposed of in public sewer system, channels, natural water courses or rivers.

The package used is intended exclusively for the packaging of this product, it must not be re-used for other purposes. All containers, even if completely empty, must not be dispersed in the environment and they must be subjected to a proper decontamination treatment before starting the disposal. If they contain residues, they must be classified, stored, and sent to a suitable treatment facility in accordance with applicable local, national and Community rules.

Disposal of expired product (code CER): 08 01 12 Disposal

of clean plastic packaging (code CER): 15 01 06

Disposal of the plastic packaging with product residues (code CER): 15 01 10

14. Transport information

Product classified as not dangerous substance for transport (ADR for road, RID for rail, sea transport ADN internal IMDG / GGV Sea by sea, IATA / ICAO aviation).

14.1 ONU Number

Not regulated.

14.2 Proper ONU Shipping Name

Not regulated.

14.3 Hazard class for transport

Product classified as not dangerous for transport.

14.4 Packaging group

Not regulated.

14.5 Environmental hazards

Product classified as not dangerous for transport.

14.6 Special precautions for users

Product classified as not dangerous for transport.

14.7 Transport of the product in accordance with the MARPOL73 / 78 and the IBC Code

Product classified as not dangerous substance for transport.

Transportation classifications may vary according to different national laws.

15. Information on regulation

15.1 Safety, health, and environmental regulations/legislation specific for the product

Community regulations: 67/548/CEE Directive and subsequent amendments (classification, packaging, and labelling of dangerous substances).
 Regulation EC / 1907/2006 and subsequent amendments (Registration, Evaluation, Authorization, and Restriction of REACH Chemicals)
 Regulation CE/1272/2008 (classification, Labelling and Packaging of substances and mixtures)

National regulations: Presidential Decree 1124/65 (consolidated law for compulsory insurance against accidents at work and occupational diseases: Leg. 152/06 and subsequent amendments (environmental standards) Leg. 475/82 and subsequent amendments (Implementation of Directive 89/686 / EEC of 21 December 1989 on the approximation of the laws of the Member States relating to personal protective equipment)
 Legislative Decree 81/08 and subsequent amendments (implementation of art. 1 of the Law 3/8/2007, concerning the protection of health and safety in the workplace)

15.2 Chemical Safety Assessment (CSA)

Not required. Exempt from REACH registration.

16. Other Information

Full text of abbreviated H statements

None.

Full text of safety advice P

None.

Classification and procedure used to derive it in compliance with Regulation (EC) 1272/2008 [CLP] in relation to the mixtures:

Classification in accordance with Regulation (EC) No 1272/2008	Classification procedure
None.	Minimum classification.

Abbreviations and acronyms

ADR:	Agreement on road transport of dangerous good by road.
ASTM:	ASTM International, formerly knew as American Society for Testing and Materials (ASTM).
EINECS:	European Inventory of Existing Commercial Chemical Substances.
EC (0/50/100):	Effective Concentration 0/50/100.
LC (0/50/100):	Lethal Concentration 0/50/100.
IC50:	Inhibitor Concentration 50.
NOEL:	No Observed Effect Level.
NOEC:	No Observed Effect Concentration.
LOEC:	Lowest Observed Effect Concentration.
DNEL:	Derived No Effect Level.
DMEL:	Derived Minimum Effect Level.
CLP:	Classification, Labelling, and Packaging.
CSR:	Chemical Safety Report.
LD (0/50/100):	Lethal Dose 0/50/100.
IATA:	International Air Transport Association.
ICAO:	International Civil Aviation Organization.
Code IMDG:	International Maritime Dangerous Goods code.
PBT:	Persistent, bio-accumulative, and toxic.
RID:	Règlement concernant le transport International ferroviaire des marchandises Dangereuses. (Regulation concerning international transport by rail of dangerous goods)
STEL:	Short term exposure limit.
TLV:	Threshold limit value.
TWA:	Time Weighted Average.
vPvB:	Very persistent very bio-accumulative.
VwVwS.:	Text of Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS).
PNEC:	Predicted No Effect Concentration.
PNOS:	Particulates not Otherwise Specified.
BOD:	Biochemical Oxygen Demand.
COD:	Chemical Oxygen Demand.
BCF:	BioConcentration Factor.
TRGS:	Technische Regeln für Gefahrstoffe -Technical Rules for Hazardous Substances, defined by The Federal Institute for Occupational Safety and Health, Germany.
LCLo:	Lethal Concentration Low.
ThOD:	Theoretical Oxygen Demand.

16.6 Key literature references and data sources

The Merck Index Ed. 10;

Handling Chemical Safety;

Anonymous, 2006: Tolerable upper intake levels for vitamins and minerals Scientific Committee on Food, European Food Safety Authority, ISBN: 92-9199-014-0 [SCF document].

Anonymous, 2007: HERAG fact sheet - assessment of occupational dermal exposure and dermal absorption for metals and inorganic metal compounds; EBRC Consulting GmbH, Hannover, Germany; August 2007.

Anonymous, 2008: Recommendation from the Scientific Committee on Occupational Exposure Limits for calcium oxide (CaO) and calcium dihydroxide (Ca(OH)₂), Direzione Generale per l'Occupazione, gli Affari Sociali e le Pari Opportunità della Commissione Europea, SCOEL/SUM/137 February 2008.

MEASE: Metals estimation and assessment substance exposure, EBRC Consulting GMBH for Eurometaux, <http://www.ebrc.de/ebrc/ebrc-mease.php>

Bureau Européen des substances Chimiques (ECB) (European offices of chemicals) CIRC (Centre International de Recherche sur le Cancer).

HSDB (Hazardous Substances Data Bank) (National Library of Medicine). INRS (Institut National de Recherche et de Sécurité).

IUCLID (International Uniform Chemical Information Database).

RTECS (Registry of Toxic effects of Chemical Substances). NIOSH – Registry of toxic effects of chemical substances (1983).

National Institute of Health – Safety data sheets of organic solvents used in industrial technological processes (1985).

National Institute of Health – National chemicals inventory.

ECDIN – Environmental chemicals data and information network – Joint research center, Commission of the European Communities.

ACGIH – Threshold limit values (2000).

SAX'S – Dangerous properties of industrial materials – tenth edition.

Release:

This safety data sheet (SDS) is based on legal provisions contained in the REACH Regulation (EC / 1907/2006), as amended and supplemented. The information contained herein is based on information described in SDS of raw materials that compose the product and on our knowledge at the indicated date. It only refers to the specified product and it does not constitute a guarantee of particular quality. No statement or guarantee concerning accuracy, reliability, and completeness of the data contained in this SDS is released. The company does not take any liability for damages to people or things that may result from a product usage different from the intended one. The SDS does not replace but completes tests or rules that regulate the activity of employment. The user has full responsibility for the necessary precautions concerning how the product will be used. This safety data sheet revokes and replaces any previous edition.

Indications of changes to the previous version of the SDS: review of the entire document. This

SDS is available in digital form on the website: www.kingfieldcp.com