

Safety Data Sheet

Albiore Crystal Diamond

Conforms to Regulations (EC) 1907/2006, (EC) 1272/2008 and subsequent amendments.

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

1.1. Product identifier

Mixture identification:

Trade name: Albiore Crystal Diamond

Trade code: T2003232261

SAP Code: 900750

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

Recommended use:

Glass and water-resistant surface cleaner

For only professional use

1.3. Details of the supplier of the safety data sheet

Supplier:

ITALCHIMICA s.r.l.

Riviera Maestri del lavoro 10 35127 Padova Italy

Phone +39 049 8792456

Marketing authorization holder

ITALCHIMICA s.r.l. ||Riviera Maestri del lavoro 10 35127 Padova Italy ||Phone +39 049 8792456 - www.italchimica.it||

Competent person responsible for the safety data sheet:

regulatory@italchimica.it

1.4. Emergency telephone number

ITALCHIMICA s.r.l. ||Riviera Maestri del lavoro 10 35127 Padova Italy ||Phone +39 049 8792456

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

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

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.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

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3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
< 2.5%	1-METOSSO-2-PROPANOLO	Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336
< 2.5%	3-BUTOSSO-2-PROPANOLO	Index number: 603-052-00-8 CAS: 5131-66-8 EC: 225-878-4	 3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319

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 eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

None

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

Treatment:

None

SECTION 5: Firefighting measures
5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

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.

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Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions

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

Wash with plenty of water.

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.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available
DNEL Exposure Limit Values
3-BUTOSSI-2-PROPANOLO - CAS: 5131-66-8
Consumer: 33.8 04 - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Consumer: 16 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated) -
Endpoint: 1 day
Consumer: 8.75 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated) -
Endpoint: 1 day
Worker Industry: 270.5 04 - Exposure: Human Inhalation - Frequency: Long Term
(repeated)
Worker Industry: 44 04 - Exposure: Human Dermal - Frequency: Long Term (repeated)
- Endpoint: 1 day

PNEC Exposure Limit Values
3-BUTOSSI-2-PROPANOLO - CAS: 5131-66-8
Target: Fresh Water - Value: 0.52 mg/l
Target: 08 - Value: 10 mg/l
Target: Marine water - Value: 0.05 04
Target: Freshwater sediments - Value: 2.36 mg/kg
Target: Marine water sediments - Value: 0.236 mg/kg
Target: Soil (agricultural) - Value: 0.16 mg/kg

8.2. Exposure controls

Eye protection:
Not needed for normal use. Anyway, operate according good working practices.
Protection for skin:

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No special precaution must be adopted for normal use.

Protection for hands:
Not needed for normal use.

Respiratory protection:
Not needed for normal use.

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

Properties	Value	Method:	Notes:
Appearance:	Transparent Liquid	Visual	--
Color:	Blue	Visual	--
Odour:	Technique	Olfactory	--
Odour threshold:	Not Relevant	--	Parameter Not Relevant For The Product Type.
pH:	10.5 +/- 0.5	Instrumental Control	--
Melting point / freezing point:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Initial boiling point and boiling range:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Flash point:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Evaporation rate:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Solid/gas flammability:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Upper/lower flammability or explosive limits:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Vapour pressure:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Vapour density:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Relative density:	1.0000 +/- 0,01 gr/ml	Instrumental Control	--
Solubility in water:	Excellent	Internal Tests	--
Solubility in oil:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Partition coefficient (n-octanol/water):	Not Relevant	--	Parameter Not Relevant For The Product Type.
Auto-ignition temperature:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Decomposition temperature:	Not Relevant	--	Parameter Not Relevant For The Product Type.

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Viscosity:	< 10 Cps	--	Estimated Estimated Value. Non-Viscous Mixture.
Explosive properties:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Oxidizing properties:	Not Relevant	--	Parameter Not Relevant For The Product Type.

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Fat Solubility:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Conductivity:	Not Relevant	--	Parameter Not Relevant For The Product Type.
Substance Groups relevant properties	Not Relevant	--	Parameter Not Relevant For The Product Type.

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

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

3-BUTOSSI-2-PROPANOLO - CAS: 5131-66-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3300 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 651 ppm - Duration: 4h

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;

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- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
3-BUTOSSI-2-PROPANOLO - CAS: 5131-66-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 560 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

Endpoint: EC14 - Species: Algae > 1000 mg/l - Duration h: 96

c) Bacteria toxicity:

Endpoint: EC14 - Species: Bacteria > 1000 mg/l - Duration h: 3

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

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.

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)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

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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)
 Regulation (EU) n. 605/2014 (ATP 6 CLP)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 Regulation (EU) n. 2016/918 (ATP 8 CLP)
 Regulation (EU) n. 2016/1179 (ATP 9 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:

Restriction 40

Restrictions related to the substances contained:

No restriction.

Pronto all'Uso

Volatile Organic compounds - VOCs = 1.20 %

Volatile Organic compounds - VOCs = 12.00 g/Kg

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.76

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

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STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
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This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

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).
IMDG:	International Maritime Code for Dangerous Goods.
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.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.