

Safety data sheet

According to reg. (EU) 2015/830

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

1.1. Product identifier.

Code:
Product name.
Chemical name and synonym.

0030515
BIOCARE OPACO
BIOCARE OPACO

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

Sector of use SU22 – Professional uses SU21 – Consumer uses
Category of product PC31 - Polishes and wax mixtures.
Intended use. Waxy resin finish emulsion for wood

1.3. Details of the supplier of the safety data sheet.

Name.
Full address.
District and Country.

MARBEC S.R.L.
VIA CROCE ROSSA 5/i
51037 MONTALE (PISTOIA)
ITALY

Tel. +39 0573/959848

Fax. +39 0573/959385

e-mail address of the competent person.
responsible for the Safety Data Sheet.

info@marbec.it

1.4. Emergency telephone number.

For urgent inquiries refer to.

MARBEC srl
+39 0573959848 h8.30-13 h14-18 or +39 3357267940
Telephone number of poison Centers open 24/24 h
CAV IRCSS Fondazione Maugeri – Pavia 0039-0382-24444
CAV Ospedali Riuniti – Bergamo 0039-800-883300
CAV Ospedale Niguarda Ca' Granda – Milano 0039-02-66101029
CAV Ospedale Careggi- Firenze 0039-055-7947819
CAV Policlinico Gemelli – Roma 0039-06-3054343
CAV Policlinico Umberto I – Roma 0039-06 49978000
CAV Ospedale Cardarelli – Napoli 0039-081 5453333

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) e following changements.
The product, however, containing dangerous substances in concentration such as to be declared in section n.3, requires a safety data sheet with adequate information, in accordance with Regulation (EU) 2020/878.
Hazard classification and indication:

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:

EUH210 **Safety data sheet available on request.**

Precautionary statements:

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Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.
The product does not contain substances with endocrine disrupting properties in 0.1% concentration.

SECTION 3. Composition/information on ingredients.

3.2. Mixtures.

Contains:

Identification

Conc. %.

Classification 1272/2008 (CLP).

ETHYLENE GLYCOL

$0 \leq x < 0,5$

Acute Tox. 4 H302, STOT RE 2 H373
STA Oral: 500 mg/kg

CAS 107-21-1

CE 203-473-3

INDEX 603-027-00-1

Reg. n. 01-2119456816-28-xxxx

AMMONIA

CAS 1336-21-6

$0 \leq x < 0,5$

Skin Corr. 1B H314, Eye
Dam. 1 H318, STOT SE 3
H335, Aquatic Acute 1 H400
M=1, Classification note
according to Annex VI of the
CLP Regulation: B

CE 215-647-6

INDEX 007-001-01-2

Reg. REACH 01-2119488876-14-
xxxx

STOT SE 3 H335: $\geq 5\%$

The full text of the hazard statements (H) is given in Section 16 of the hazard statement.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

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

No episodes of damage to health ascribable to the product have been reported.

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

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

Choose appropriate extinguishing media appropriate for the specific situation.

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

The product is not flammable or combustible.

5.3. Advice for firefighters.

BACKGROUND

Cool the containers with water jets to avoid the decomposition of the product and the development of substances potentially dangerous for health. Always wear the complete fire protection equipment. Collect quenching water that should not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

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.

In the case of airborne vapours or dust, take respiratory protection. These indications are valid both for workers and for emergency interventions.

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.

Embankment with earth or inert material. Collect most of the material and remove the residue with water jets. Disposal of contaminated material shall be carried out in accordance with 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.

7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labeled containers. 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:

FRA

France

JORF n°0109 du 10 mai 2012 page 8773 texte n° 102

GBR

United Kingdom

EH40/2005 Workplace exposure limits

ITA

Italia

Decreto Legislativo 9 Aprile 2008, n.81

PRT

Normal value in fresh water				0,0011	mg/l			
Normal value in marine water				0,011	mg/l			
Health - Derived no-effect level - DNEL / DMEL								
		Effects on consumers			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Inhalation						36 mg/m3		14 mg/m3
Skin						6,8 mg/kg/d		

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls.

Since the use of appropriate technical measures should always take priority over personal protective equipment, ensuring good ventilation in the workplace through effective local aspiration.

If you wish to choose personal protective equipment, ask your chemical suppliers for advice.

Personal protective equipment must bear the CE marking certifying that it complies with the rules in force.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION.

Not necessary in normal use.

Protection may be necessary in case of splashes, skin contact or spray application. In this case wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Not necessary in normal use.

Protection may be necessary in case of splashes, eye contact or spray application. In this case wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

Not necessary for normal use.

If the threshold value (eg TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is advisable to wear a mask with type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (see standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

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

Physical state	liquid
Color	pink
Odor	characteristic
Melting or freezing point	Unenforceable
Initial boiling point	Unavailable
Flammability	non-flammable
Lower explosive limit	Unenforceable
Upper explosive limit	Unenforceable
Flash point	> 90°C
Self-ignition temperature	Unavailable
pH	8
Kinematic viscosity	Unavailable
Solubility	miscible in water
Partition coefficient: n-octanol/water	Unavailable
Vapour pressure	Unavailable
Density and/or Relative density	1 Kg/lt
Relative vapour density	Unavailable
Particle characteristics	Unenforceable

9.2. Other information.

Information on physical hazard classes

information not available

9.2.2. Other safety features

VOC (Directive 2010/75/EU)	1,50 % - 15,00 g/liter
explosive properties	Not explosive
oxidizing properties	Not oxidising

SECTION 10. Stability and reactivity.**10.1. Reactivity.**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is 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.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

In the absence of experimental toxicological data on the product itself, the possible dangers of the product for health have been evaluated on the basis of the properties of the substances contained, according to the criteria provided for by the reference standard for classification. Consider therefore the concentration of the individual hazardous substances mentioned in section 3, to evaluate the toxicological effects deriving from exposure to the product.

11.1. Information on toxicological effects.

Metabolism, kinetics, mechanism of action and other information

Information not available.

Information on likely routes of exposure

ETHYLENE GLYCOLWORKERS: inhalation; skin contact.POPULATION: inhalation of ambient air; contact with the skin of products containing the substance.

Immediate, delayed and chronic effects and effects from short and long term exposure

ETHYLENE GLYCOL

Ingestion initially stimulates the central nervous system; later a phase of depression takes place. Kidney damage may occur, with anuria and uremia. Symptoms of overexposure include vomiting, drowsiness, difficulty breathing, seizures. The lethal dose for humans is about 1.4 ml/kg.

Interactive effects

Information not available.

ACUTE TOXICITY.

LC50 (Inhalation) of the mixture:Not classified (no significant component).

LD50 (Oral) of the mixture:Not classified (no significant component).

LD50 (Dermal) of the mixture:Not classified (no significant component).

ETHYLENE GLYCOL

LD50 (Oral) 7712 mg/kg rat

LD50 (Dermal) > 3500 mg/kg mouse

LC50 (Inhalation) > 2,5 mg/l/6h rat (aerosol)

ammonia

LD50 (Oral): 350 mg/kg Rat

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.

Does not meet the classification criteria for this hazard class.

Respiratory sensitisationInformation not availableSkin sensitisationInformation not available

GERM CELL MUTAGENICITY.

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY.

Does not meet the classification criteria for this hazard class.

ETHYLENE GLYCOLThe available studies showed no carcinogenicity. In a 2-year carcinogenicity study conducted by the US National Toxicology Program (NTP), in which ethylene glycol was administered in the diet, no "evidence of carcinogenic activity" was observed in male and female B6C3F1 mice (NTP, 1993).

REPRODUCTIVE TOXICITY.

Does not meet the classification criteria for this hazard class.

Harmful effects on sexual function and fertilityInformation not availableHarmful effects on the development of progenyInformation not availableEffects on lactation or through lactationInformation not available

STOT - SINGLE EXPOSURE.

Does not meet the classification criteria for this hazard class.

Target organsInformation not availableRoute of exposureInformation not available

STOT - REPEATED EXPOSURE.

Does not meet the classification criteria for this hazard class.

Target organsInformation not availableRoute of exposureInformation not available

ASPIRATION HAZARD.

Does not meet the classification criteria for this hazard class.

Information on other hazardsBased on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with evaluated human health effects.

SECTION 12. Ecological information.

Because of are not available specific data on the preparation Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity.**ETHYLENE GLYCOL**

LC50 – For Fish	> 18000 mg/l/96h onchorynchus mykiss
EC50 - for Crustacea	> 100 mg/l/48h daphnia magna
EC50 - for Algae / Aquatic Plants.	> 6500 mg/l/72h pseudokirchneriella subcapitata
NOEC Chronic Fish	15380 mg/l Fresh water fish- pimephales promelas 7 days
NOEC Chronic Crustacea	8590 mg/l ceriodaphnia sp. 7 days
AMMONIA	
LC50 - Fish	47 mg/l/96h Channa punctata
EC50 - Crustacea	20 mg/l/48h Daphnia magna

12.2. Persistence and degradability.

AMMONIA

Degradability: data not available

ETHYLENE GLYCOL

Solubility in wter

1000 - 10000 mg/l

Rapidly biodegradable

12.3. Bioaccumulative potential.

ETHYLENE GLYCOL

Partition coefficient: n-ottanol / water

-1,36

BCF

< 100

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

According to the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disrupters with effects on the environment being evaluated.

12.7 Other adverse effects

information not available

SECTION 13. Disposal considerations.**13.1. Waste treatment methods.**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

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.

14.1. UN number.

Not applicable.

14.2. UN proper shipping name.

Not applicable.

14.3. Transport hazard class(es).

Not applicable.

14.4. Packing group.

Not applicable.

14.5. Environmental hazards.

Not applicable.

14.6. Special precautions for user.

Not applicable.

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

Information not relevant.

SECTION 15. Regulatory information.**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Point 75

Substances in Candidate List (Art. 59 REACH).

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH).

None

Substances subject to exportation reporting pursuant to (EC) Reg. 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 for the mixture / for the substances referred to in Section 3 has not been developed.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: Identifier in Annex VI of CLP

- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 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
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - ECHA website

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.

Changes from the previous revision

Changes have been made to the following sections:

02 / 03 / 09 / 11 / 12 / 15 / 16.