



SAFETY DATA SHEET

In compliance with EC Regulations No.: 1907/2006, 830/2015 and 1272/2008 (CLP).

Date last modified: 31 January 2020 - version 2.0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product Identifier

Product Name: **BIOACTIVE FLOOR CLEANER**

Product Code #: **550520 (5 lt)**

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

Intended Use: Industrial applications; Cleaning product.

Uses advised against: This product is not recommended for any industrial, professional or consumer use other than the Intended Uses above and the instructions written in this Safety Data Sheet.

1.3 Details of the supplier of the safety data sheet

Company/undertaking identification

Supplier/Manufacturer:

Marichem Marigases Hellas SA

Sfaktirias 64,

185 45 Piraeus,

Greece

Tel. No.: ++30 210 4148800

Fax No.: ++30 210 4133985

<http://www.marichem-marigases.com>

e-mail: mail@marichem-marigases.com

1.4 Emergency telephone number

Tel. No.: ++30 210 4148800 (including working hours)

Emergency Information:

Inside U.S. and Canada: (800)-424-9300 (CHEMTREC)

Outside U.S. and Canada: 1-703-527-3887 (CHEMTREC)

National Emergency Centre (Greece): ++30 210 7793777

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

Classification under EC 1272/2008 regulation - GHS classification.

No need for classification according to GHS criteria for this product.

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008.

The substance is classified and labelled according to the CLP Regulation.

The product does not require a hazard warning label in accordance with GHS criteria.

EUH-phrases

EUH208: Contains mixture of: 5-chloro-2-méthyl-2H-isothiazol-3-one [EC N°: 247-500-7]; 2-méthyl-2H-isothiazol-3-one [EC N°: 220-239-6] (3:1) (55965-84-9) | 2-méthyl-2H-isothiazol-3-one (2682-20-4) | 1,2-benzisothiazol-3(2H)-one (2634-33-5).
May produce an allergic reaction.

EUH210: Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other hazards which do not result in classification

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Composition:

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components:

Ingredients	CAS Number/EC Number	Proportion	Hazard Code(s)*	Specific concentrations
Alcohols, C16-18, ethoxylated	CAS No. : 68439-49-6 EC No. : 500-212-8	1% - 2.5%	Eye Irrit. 2 - H319	Not applicable.
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No. : 68891-38-3 EC No. : 500-234-8 REACH No. : 01-2119488639-16-xxxx	1% - 2.5%	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318 Skin Irrit. 2 - H315	Eye Irrit. 2 - H319: 5%-10% Eye Dam. 1 - H318: 10%-100%
mixture of: 5-chloro-2-méthyl-2H-isothiazol-3-one [No.CE 247-500-7]; 2-méthyl-2H-isothiazol-3-one [No. CE220-239-6] (3:1)	CAS No. : 55965-84-9 Index No. : 613-167-00-5	0% - 1%	Acute Tox. 2 Dermal - H310 Acute Tox. 2 Inhalation - H330 Acute Tox. 3 Oral - H301 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Skin Corr. 1B - H314 Skin Sens. 1A - H317	Skin Corr. 1B - H314: 0.6% - 100% Skin Irrit. 2 - H315: 0.06% - 0.6% Eye Irrit. 2 - H319 : 0.06>=%<0.6 Eye Dam. 1 - H318 : 0.6>=%<100 Skin Sens. 1 - H317 :
Other ingredients that do not contribute to the classification of the product	-	94% - 98%	-	-

*See section 16 for the full text of the Hazard Code(s) declared above.

Occupational Exposure Limits, if available, are listed in section 8.

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General information: No special measures required. Provide fresh air. Allow the victim to rest.

After excessive inhalation: Provide fresh air; consult a doctor in case of medical complaints. Allow the victim to rest.

After skin contact: Remove contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion:

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.
- Seek medical advice immediately.
- Never give anything by mouth to an unconscious person or a person with cramps.

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.

5. FIRE-FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING AGENTS

CO₂, ABC powder or water spray. Extinguishing powder. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

5.3 ADVICE FOR FIRE-FIGHTERS

- Non-flammable.
- Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel: Evacuate unnecessary personnel.

For emergency responders: Provide adequate ventilation.

Wear personal protection equipment (refer to section 8).

6.2 ENVIRONMENTAL PRECAUTIONS

Dilute with plenty of water.

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

Avoid release into the environment.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods and material for containment: No information available.

Methods and material for cleaning up: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect spillage. Store away from other materials.

Inappropriate techniques: No information available.

6.4 REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendation

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking.

Advices on general occupational hygiene

Wash contaminated clothing prior to re-use.

Used working clothes should not be worn outside the work area.

Wash hands before breaks and after work.

Information about fire - and explosion protection

No special measures required.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep/Store only in original container.

Do not mix with other cleaning products.

Maintain in a temperature room.

Protect against: Frost.

Protect against: UV-radiation/sunlight.

7.3 SPECIFIC END USE(S)

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

8.1 CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace

The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

Additional information

The most current valid lists have been used as a basis for the production of this document.

8.2 EXPOSURE CONTROLS

Appropriate engineering controls: No information available.

Individual protection measures, such as personal protective equipment

Personal protective equipment: Avoid all unnecessary exposure.

Skin and body protection: None under normal conditions of use.

Hand protection: No personal protective equipment is required. In case of intensive use, observe safety measures and hygiene standard for the use of chemicals.

Respiratory protection: None under normal conditions of use. Dust mask if necessary.

Eye protection: Goggles recommended during refilling.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

9.1.1. Appearance

Physical State:	Liquid
Color:	Blue
Fragrance:	Characteristic

9.1.2. Basic data

Boiling Point:	Undetermined
Freezing Point:	Undetermined
pH value:	8.0 – 9.0 at 20 ⁰ C
Flash Point:	Not applicable
Autoignition Temperature:	Product is not self-igniting.

Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure at 20 °C:	23 hPa
Density at 20°C:	1 gr/cm ³
Solubility in/Miscibility with water:	Fully miscible.
Dynamic Viscosity:	< 20mPa.s (Brookfield LVT Spindle LV2) (25 ⁰ C)

9.2 Other Information

VOC content: 1.88%

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

No hazardous reactions if stored and handled as prescribed/indicated.

10.2 CHEMICAL STABILITY

Stable under ordinary conditions of use and storage.

Thermal decomposition/conditions to be avoided:

No decomposition if used according to specifications.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

10.4 CONDITIONS TO AVOID

Avoid direct sunlight and frost.

10.5 INCOMPATIBLE MATERIALS

No further relevant information available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous decomposition products known when used for intended uses.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity: Not classified as toxic.

Primary irritant effect:

On the skin: No irritant effect.

On the eyes: No irritant effect.

Sensitisation: No sensitising effects known.

Based on available data, the classification criteria are not met.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU

Classification Guidelines for preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY

Aquatic toxicity: No further relevant information available.

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.

Additional ecological information:

General notes: Not hazardous for water.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

PBT: Not applicable.

vPvB: Not applicable.

12.6 OTHER ADVERSE EFFECTS

No further relevant information available.

12.7 OTHER INFORMATION

The product is not classified as harmful to the marine environment as per paragraphs 1.7.4 and 1.7.5. of Resolution MEPC. 219 (63) /Annex 24 - 2012 adoption of IMO's MARPOL Annex V.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Recommendation:

Dispose of waste according to applicable legislation.

Handle contaminated packages in the same way as the substance itself.

Do not allow uncontrolled discharge of product into the environment.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. TRANSPORT INFORMATION

14.1 No special transport information required according to ADR/RID, IMDG, US DOT and ICAO/IATA codes.

15. REGULATORY INFORMATION

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

VOC content: 1.88%.

15.2 Chemical Safety Assessment

A CSA has been carried out for the raw materials in this product, from the raw materials manufacturers (when needed to be carried out).

16. OTHER INFORMATION

16.1 Full text of Hazard Code(s) and of the regulatory sentences referred in Section 3

16.1.1. Full text of Hazard Code(s) referred in Section 3

H301: Toxic if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

16.1.2. Full text of the regulatory sentences referred in Section 3

Acute Tox. 2 Dermal: Acute toxicity (dermal) - Category 2.
Acute Tox. 2 Inhalation: Acute toxicity (inhalative) - Category 2.
Acute Tox. 3 Oral: Acute toxicity (oral) - Category 3.
Aquatic Acute 1: Hazardous to the aquatic environment - Aquatic Acute 1.
Aquatic Chronic 1: Hazardous to the aquatic environment - Aquatic Chronic 1.
Aquatic Chronic 3: Hazardous to the aquatic environment - Aquatic Chronic 3.
Eye Dam. 1: Serious eye damage, Category 1.
Eye Irrit. 2: Eye irritation - Category 2.
Not Classified: Not classified.
Skin Corr. 1B: Skin corrosion, Category 1B.
Skin Irrit. 2: Irritation, Category 2.
Skin Sens. 1A: Skin sensitization - Category 1A.

16.2 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).
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.
bw: Body weight.
Carc.: Carcinogenicity.
CAS number: Chemical Abstracts Service number.
CLP: Classification Labelling Packaging Regulation.
CSA: Chemical Safety Assessment.
CSR: Chemical Safety Report.
DNEL: Derived No Effect Level.
dw: Dry weight.
EC number: EINECS and ELINCS number.
EC: European Commission.
EC50: Half maximal effective concentration.
EINECS: European Inventory of Existing Commercial Chemical Substances.
ELINCS: European List of Notified Chemical Substances.
EmS: Emergency Schedule.
ERC: Environmental Release Category.
ES: Exposure scenario.
food: oral feed.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
Irrit.: Irritation.
LC50: Lethal concentration, 50 %.
LD50: Median Lethal dose.
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
MK value: Maximum Concentration value.
NCO: An international corporation that provides customer service contracting.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
OECD: Organisation for Economic Cooperation and Development.
PBT: Persistent, Bioaccumulative and Toxic.
PNEC: Predicted No Effect Concentration.
PROC: Process category.
REACH: The Registration, Evaluation, Authorisation and Restriction of Chemicals.
Resp.: Respiratory.
Sens.: Sensitization.
STEL value: Short Term Exposure Limit value.
STOT RE: Specific target organ toxicity — repeated exposure.
STOT SE: Specific target organ toxicity — single exposure.
STOT: Specific Target Organ Toxicity.
STP: Sewage Treatment Plant.
SU: Sector of use.
Tox.: Toxicity.
TWA value: Time Weighted Average value.
vPvB: Very Persistent and Very Bioaccumulative.

16.3 Notice to reader

All information, instructions and statements contained in this Material Safety Data Sheet are compiled in accordance with European Directives, corresponding national legislation and on the basis of information given by our suppliers.

The information disclosed in this Material Safety Data Sheet (which supersedes all previous versions) is believed to be correct, at the date of issue, to the best of our current knowledge and experience. It only relates to the specific product designated herein and it may not be valid when said product is used in combination with any other products or in any processed form, unless specified in the text. This document aims to provide the necessary health and safety information of the product and is not to be considered a warranty or quality specification. It is the responsibility of the recipient

of this Material Safety Data Sheet to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product. Also, it is the responsibility of the user to comply with local legislation relating to safety, health, environment and waste management. Data and information provided concerning the product are informative, exclusively presented to the customer.