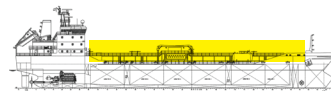


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FOR CLEANING ORGANIC SUBSTANCES AND ELIMINATING FOUL ODORS

PHYSICAL DATA

Appearance: yellow emulsion
Odor: Flowery
Density: 1.0 @ 20°C
Bacterial count: approx. 17 millions/ml
Toxicity: none

DESCRIPTION

BIOCLEANER is a biological formulation designed for cleaning organic substances and eliminating foul odors caused by decomposition. The bacteria contained in this product metabolize organic substances. Besides acting as a cleaner BIOCLEANER also has deodorizing properties.

It digests organic substances and transforms them into Carbon Dioxide (CO₂) and water, which eliminates foul smells at their very source. BIOCLEANER liquefies organic residues in drainpipes and sanitary installations such as sewage treatment tanks, thus exerting a preventative maintenance action to avoid clogging of drains.

Using BIOCLEANER regularly ensures clean and odorless sanitation systems. BIOCLEANER is neither toxic, nor aggressive and does not have any counter-indication.

IMPORTANT

BIOCLEANER fights development of growths because it feeds on phosphates. It can operate in aerobic as well as anaerobic mode (with or without the presence of oxygen).

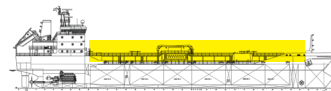
Elimination of waste through digestion of organic substances:

Once applied, the enzymes contained in BIOCLEANER use as nutrient the organic wastes such as grease, oils, proteins, hydrocarbons, sugars, etc. contained in foodstuff.

DIRECTIONS FOR USE

- **Cleaning:** Apply the product on surface to be cleaned with brush, sponge or mop. Wash the residues down the drain.
- **Elimination of foul odors:** Spray product onto surface to be treated.
- **Removing stains caused by organic products:** If possible, remove with paper or rug excess material, and spray or pour BIOCLEANER on the stain. Let product act for as long as possible, then dry with a clean cloth or paper. For resistant stains cover the stained area with BIOFRESH using a damp cloth and let the product act 5-6 hours.

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BIOCLEANER is recommended for usage on:

- Ships galleys and all dining areas
- Yachts
- Schools
- Hospitals
- Restaurants and cafeterias
- Public cleaning
- Fish markets
- Industrial laundries
- Agricultural farms
- Public swimming pools and sports centers
- Airports
- Camping grounds, tourist installations
- Food processing industry
- Canning industry
- Slaughter houses

WARNING

Preferably apply when drains are used the less, for example at night.
Do not use together with acids, alkali, chlorine or disinfectants.
Wash hands after manipulating the product (as a simple precaution).
Store in cool and dry place at temperatures comprised between 10 and 30 °C.
Shake well before using as the product has a natural tendency to sedimentation.
Keep away from children.
Close containers properly after use.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THIS INFORMATION IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU DO A TEST TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION FURNISHED BY URRUTY GG NIEGO SRL HEREUNDER ARE GIVEN GRATIS, AND URRUTY GG NIEGO SRL ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

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2. Hazards Identification

Health Hazard (inhalation, ingestion, contact with skin or eyes):

Most Important Hazards: The preparation is not classified according to the criteria laid down in EU Council Directives 67/548/EC (Annex VI of Directive 2001/59/EC) and 1999/45/EEC

Environmental Hazard: High water solubility. Not classified as dangerous for environment according to the criteria laid down in EU Council Directives 67/548/EC (Annex VI of Directive 2001/59/EC) and 1999/45/EEC:

3. Composition / Information on ingredients

Chemical/trade name	Quantity %	Symbols	R phrase	CAS No.	EINECS, ELINCS
Ethoxylated alcohol	< 5	Xn	R22, R41	68439-45-2	N/A
2-Butoxyethanol	< 5	Xn	R20/21/22, R37	111-76-2	N/A
Alkylarylsulfonic acid	<5	Xn	R22, R34	27176-87- 0	N/A

4. First aid measures

Exposure by Inhalation: Remove victim to fresh air, in a quiet place, in an half laying position. Seek medical attention if symptoms occur.

Exposure by skin: Immediately wash affected area thoroughly with water and soap. Take medical advice if irritation appears. Organisms used are non pathogenic but can cause infection when in contact with open wounds.

Exposure by eyes contact: Immediately flush eyes with plenty of water (during 20 minutes minimum) and seek medical attention if irritation develops.

Exposure by Ingestion: Rinse mouth, do not drink anything, keep quiet. Seek medical attention.

5. Fire-fighting measures

Suitable Extinguishing Media: In case of fire in the surroundings : water, sand, foam, dry chemical or carbon dioxide extinguishers may be used.

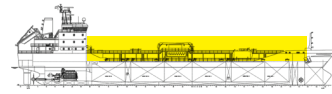
Extinguishing Media not to be used: None

Specific Exposure Hazards: If the substance is involved in a fire, oxides of carbon and nitrogen may be evolved.

Protective Equipment for Firefighters:

Full protective clothing and self-contained breathing apparatus should be worn.

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6. Accidental release measures

Personal Precautions: Evacuate personnel from immediate vicinity. Wear appropriate protective clothing (goggles, gloves, and a vapour mask). Refer to section 8.

Environmental Precautions: Avoid excessive release to drains and natural water. This product and its container must be disposed in a safe way.

Methods for Cleaning Up: Stop the leak or release at source. Transfer the spillage to waste containers labelled in the same way as the original containers. Clean the spillage area with water and detergent

7. Handling and storage

Handling:

Precautions: The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure.

Technical Measures: The use of gloves will reduce exposure to the preparation.

Specific Requirements: None.

Storage:

Specific design for storage rooms or vessels: None

Incompatible Materials: Keep away from: strong acids or alkali compounds may inactivate biological cultures. Avoid strong oxidising agents. Do not store in non protected metal containers.

Conditions of Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Avoid freezing temperatures. Avoid temperatures above 45 °C to preserve biological stability.

Quantity Limits: None

Packaging Materials: Packaging can be recycled

8. Exposure control / personal protection.

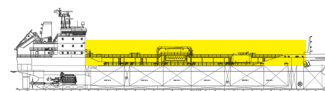
Exposure limits

VME 8h dusts =10 mg/m³ (particles of a diameter < 100 μ) and 5 mg/m³ (particle of a diameter < 5 μ)

Professional exposure control

Personal Protective Equipment: The provision of personal protective equipment and the need to provide engineering control measures should be decided upon by the user as part of a formal exposure risk assessment. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.

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Respiratory Protection: No special ventilation is usually necessary. However if operating conditions create high airborne concentrations of this material, based upon available information and in the absence of occupational exposure limits the use of a vapour mask to a minimum standard of EN405 FFA1P1 is recommended.

Hand Protection: Prolonged or frequent repeated skin contact especially with broken skin. PVC or Latex protective gloves to a Standard EN374 should be provided.

Eye Protection: Safety glasses with protect from splashes recommended, to prevent eye exposure, should be used when handling the preparation. The protection should be capable of giving chemical protection as classified in BS2092 or EN166.

Skin Protection: Avoid contact with broken skin. However in case of prolonged/frequent direct handling of the material it is recommended to wear protective clothing (type 6) as classified by Standard NF EN 13034.

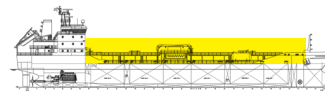
Engineering Measures: Engineering controls such as LEV are recommended to reduce exposure to the preparation

Specific Control Parameters: None

9. Physical and chemical properties

Physical state:	liquid
Colour:	white
Odour:	peppermint/lemon
pH:	7.0-9.0
Boiling Point/Boiling Range:	100°C
Melting Point/Melting Range:	Not applicable
Flash Point:	Not determined
Flammability (Solid, Gas):	Not applicable
Autoflammability:	Not determined
Explosive Properties:	Predicted not explosive based on chemical structure.
Oxidising Properties:	Not determined
Vapour Pressure:	Not applicable
Relative Density:	approx 1 @ 25 °C
Solubility	
- Water solubility:	soluble
- Fat solubility:	Not determined
Partition coefficient n-octanol/water:	Not determined
Other Data:	None

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10. Stability and reactivity

Conditions to Avoid: Excessive temperature variations, below 0°C or above 45 °C
Materials to Avoid: Strong acids or alkali compounds may inactivate biological cultures and strong oxidising agents.
Hazardous Decomposition Products: None anticipated

11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

12. Ecological information

Mobility: This preparation has high water solubility and low vapour pressure. Therefore it is likely to distribute predominantly to the aqueous environment.

Biodegradability: The preparation is expected to biodegrade rapidly. However no information on anaerobic biodegradation is available.

Accumulation: Not anticipated to bioaccumulate due to high water solubility and hence, biomagnification is not likely.

Ecotoxicity: The preparation is not anticipated to pose any environmental hazard. No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.

Other adverse effects: There is no ozone depletion, photochemical ozone creation or global warming potential. Adverse effects in the sewage treatment plant are not anticipated.

Other information: Class 1 micro-organisms (European Federation of Biotechnology) selected from the natural environment.

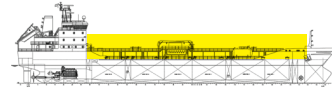
13. Disposal consideration

Waste from Residues: Collect all waste in suitable and labelled containers and dispose according to local legislation.

Contaminated Packaging: Dispose of by incineration or landfill in accordance with local regulations.

Empty packaging can be recycled or reused.

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14. Transport information

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

15. Regulatory information

EC Regulations: The preparation is NOT classified as "dangerous" according to the criteria laid down in EU Council Directives 67/548/EC (Annex VI of Directive 2001/59/EC) and 1999/45/EEC.

Classification proposal

Symbols: None

R-phrases: None

S-phrases: S2 Keep out of reach of children

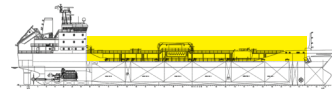
Microbial classification

The preparation is not deemed 'hazardous' according to the requirements of Council Directive 2000/54/EEC. All bacteria contained in this preparation are designated Class 1 according to Council Directive 90/679/EEC (as amended by Council Directive 93/88/EEC) and all other recognized classification systems for micro-organisms.

Labeling according to Regulation (EC) n° 648/2004 (Detergent): to be declared

Local Regulations: Any relevant local regulations should be observed.

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16. Other information

R phrases

R 20 Harmful by inhalation
R 21 Harmful by skin contact
R 22 Harmful by ingestion
R 34 May cause burns
R 37 Irritating to the respiratory tract
R 41 Risk of serious damage to eyes

Miscellaneous

Regulation (EC) n° 648/2004 (Detergent)

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

Detailed composition,
SDS of ingredients.

ECB website

<http://ecb.jrc.it/classification-labelling/search-classlab/>

ChemExpertwebsite:

<http://www.chemexper.com/index.shtml?main=http://www.chemexper.com/search/cas/3844-45-9.html>

Miscellaneous

Safety/Classification:

<http://biosafety.ihe.be/RA/Class/ClassMain.html>
http://www.baua.de/prax/abas/trba_466.pdf

Occupational Exposure:

http://europa.eu.int/eur-lex/pri/en/oj/dat/2000/l_262/l_26220001017en00210045.pdf

LEV: Local Exhaust Ventilation

The information contained is based on our knowledge of the product at the date of publishing. It applies to the product as such. In case of formulation or mixture make sure no new danger appear. Users are advised of possible additional danger when the product is used in applications for which it is not intended to. The user must satisfy himself that the product is entirely suitable.

Version 8 : Revised points: 1-16 – 2007-09-18