

Safety data sheet

According to European Community directive 1907/2006 (REACH)
Modified with (UE) Regulation n. 453/2010



Commercial name: BIODEBACKTER EF

Date latest updating: 17/10/2011 Revision : 7.0

Date 1^a issuing: 14/12/1998

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01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

- 1.1 Commercial name : **BIODEBACKTER EF**
- 1.2 Use of the substance/preparation : **treatment for bad smells**
- 1.3 Manufacturer/supplier : **Hydro Italia S.r.l.**
Via Torricelli, 79 Z.I. Fossatone 40059 Medicina (BO)
Tel. 051 856263 Fax 051 856282
- 1.4 Emergency phone number : **+39 348 3300148**

02. IDENTIFICATION OF THE HAZARDS

2.1 Classification of the mixture

Classification resulting from the application of the classification rules of the Directive 1999/45/CE:

The mixture is classified as:

R 52/53 noxious to aquatic organisms, it may cause long-term adverse effects in the aquatic environment.

2.2 Elements on the label

Symbols:

None

Safety phrases codes:

S24

Avoid contact with the skin

S61

Avoid release to the environment. Refer to the special instructions/data sheets on safety

Avoid contact with skin. It contains aldehyde hexylcinnamic, D-limonene, Citronella; Citronello e Geraniol. It can cause an allergic reaction.

2.3 Other dangers

No data available

03. COMPOSITION/INFORMATION ON COMPONENTS

Classification in compliance with directive 67/548/CEE

Chemical/sale name	Quantity %	Symbols	Risk phrases codes	CAS code	EC code
D-limonène	<1	Xi N	R10, R38, R43 R50/53, R65	5989-27-5	227-813-5
Citronellal	<1	Xi N	R38-43-51/53	106-23-0	203-376-6
Hexylcinnamic aldehyde	<1	Xi	R43	101-86-0	202-983-3
Citronellol	<1	Xi N	R38-43-51/53	106-22-9	203-375-0
Geraniol	<1	Xi	R38-41-43	106-24-1	203-377-1
Benzyl Alcohol	<1	Xn	R20/R22	100-51-6	202-859-9
Diphenyl Ether	<1	N	R51/53	101-84-8	202-981-2

Classification according to (CE) rules n.1272/2008

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Chemical/sale name	Quantity %	Hazard class and category codes	Pictograms, warning codes	H phrases	M-Factor	CAS Code	EC Code
D-limonéne	<1	Flam. Liquid 3 Skin Irrit. 2 Skin Sens. 2 Asp. Tox. 1 Aquatic Chronic 1	GHS02 GHS07 GHS09 Danger	H226 H315 H317 H304 H410	1	5989-27-5	227-813-5
Citronellal	<1	Skin Irrit. 2 Eye Irrit. 2 Skin Sens.1	GHS07 Attention	H315 H317 H319	NA	106-23-0	203-376-6
Citronellol	<1	Skin Irrit. 2 Eye Irrit. 2 Skin Sens.1	GHS07 Attention	H315 H317 H319	NA	106-22-9	203-375-0
Geraniol	<1	Skin Irrit. 2 Eye Damage 1 Skin Sens.1	GHS05 Danger	H315 H318 H317	NA	106-24-1	203-377-1
Benzyl Alcohol	<1	Acute Tox.4 Eye Irrit.2	GHS07 Attention	H302 H332 H319	NA	100-51-6	202-859-9
Diphenyl Ether	<1	Eye Irrit. 2 Aquatic Acute 2	GHS07 GHS09 Attention	H319 H411	NA	101-84-8	202-981-2

04. FIRST AID MEASURES

4.1 Description of first aid measures

- INHALATION : Move victim to fresh air. If symptoms appear, ask for medical intervention.
- SKIN CONTACT : Wash skin thoroughly with soap and water. Immediately remove contaminated clothing. If irritation persists after washing see a doctor.
- EYES CONTACT : Promptly wash eyes with plenty of water while holding eyelids open. Continue to rinse for at least 15 minutes and see a doctor.
- INGESTION : Drink plenty of fluids to dilute the amount of product ingested. Ask for medical intervention.

4.2 Most important symptoms and effects, both acute and delayed

It can cause an allergic reaction

4.3 Indication of any immediate medical attention and special treatment

Treat symptomatically. No specific actions are required.

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05. FIRE FIGHTING MEASURES

- 5.1 **EXTINGUISHING MEANS** : Water, foam. You can use a dry powder chemical or carbon dioxide fire extinguishers (CO2).
- 5.2 **Special hazards arising from the substance or mixture:** if the preparation is involved in a fire its combustion may liberate carbon oxides and phosphorus.
- 5.3 **Advice for firefighters:**
Fire-fighters must wear full protective equipment and breathing apparatus.

06. ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and procedures in case of emergency:**
Evacuate personnel to safe areas. Wear protective clothing (goggles, gloves) and eye / face protection. See paragraph 8.
- 6.2 **Environmental precautions:** Do not empty into drains; dispose of this material and its container at a collection point for hazardous or special waste.
- 6.3 **Methods and materials for containment and cleaning:** Absorb the leakage with a vacuum pump. All recovered material must be collected in suitable containers for disposal which in turn must be labelled with the same information on the labels of the original container. Wash with water the area which is spilled with the product.

07. HANDLING AND STORAGE

- 7.1 Precautions for safe handling
- Precautions:* The product must be handled according to industrial hygiene standard measures and in compliance with local regulations in order to avoid any unnecessary contact.
- Technical measures* to reduce the contact with the product, it is recommend the use of protective clothing, suitable gloves and eye/face protection
- Specific requirements* none
- 7.2 Conditions for safe storage, including any incompatibilities
- Special equipment for storage areas or containers:* none
- Incompatible materials:* strong acids, alkalis and particularly oxidizing agents.
- Storage Conditions:* keep in stored in cool, dry, ventilated place, and in closed containers. Store separated from: alkalis, acids, oxidising materials.
- Quantity limits:* none

08. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

France 101-84-8	VME-ppm 1	VME-mg/m ³ 7
Germany/AGW 111-90-0 101-84-8	VME: 6 ml/m ³ 1 ml/m ³	VME: 35 mg/m ³ 7,1 mg/m ³

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ACGIH/TLV	TWA:	STEL:
127-91-3	20 ppm	
101-84-8	1 ppm	2 ppm

8.2 EXPOSURE CONTROLS

8.2.1 SUITABLE TECHNICAL CONTROLS : to reduce the risk of exposure to the product, it is recommended the use of a ventilation system for air extraction

8.2.2 PERSONAL PROTECTION MEASURES : the user, after evaluating the risks of exposure, must decide about the personal protective clothing and equipment and whether it is necessary to use technical measures control of exposure. The protective measures described below are based on available toxicological information and should be regarded as minimal.

RESPIRATORY PROTECTION : seek advice from person in charge about standards of protection of the respiratory system. In case of insufficient ventilation, suitable respiratory equipment (NF EN 405 FFP2) must be used. If the concentration in the air is higher than an acceptable level, respiratory protection equipment must be used.

HANDS PROTECTION : avoid contact with skin; for this purpose wear chemical resistant gloves conform to EN374 (Neoprene, PVC or polyethylene). The period of use shall not exceed the expiration date for use with chemicals specified by the manufacturer of the gloves.

EYES/FACE PROTECTION : take special care in order to avoid contact with the eyes; during handling of the product it is necessary to wear safety glasses able to offer protection against chemical agents classified with BS2092 or EN166.

SKIN PROTECTION: avoid contact with skin. However, wear suitable protective clothing, made with materials in conformity to the standard NF EN 13034 (type 6)

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL STATE	liquid
9.2 COLOUR	Pale yellow
9.3 SMELL	typical
9.4 pH	6,5-8,5
9.5 Boiling point/Boiling range	not determined
9.6 Melting point / Melting range	not determined
9.7 Flash Point	not determined
9.8 Flammability (solid/gas)	not determined
9.9 Autoignition	not determined
9.10 Explosive properties	non explosive product
9.11 Oxidizing properties	not determined
9.12 Vapour pressure	not determined
9.13 Relative density	~ 1
9.14 Solubility	water solubility - in water soluble - in organic solvents not determined

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9.15 Other information

No other data available

10. STABILITY AND REACTIVITY

- 10.1 Reactivity : **non-reactive**
- 10.2 Chemical stability : **chemically stable**
- 10.3 Possibility of hazardous reactions : **fire creates: hydrogen chloride (hydrochloric acid)**
- 10.4 Conditions to avoid : **excessive temperature variations**
- 10.5 Incompatible materials : **strong acids, alkalis and particularly oxidizing agents**
- 10.6 Hazardous decomposition products : **not foreseen**

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute toxicity
- 11.1.1 Ingestion - **not defined**
- 11.1.2 Inhalation, LC50/inhalations/
man (mg/l/3h) - **not defined**
- 11.1.3 skin, dermal LD50-
/rat (mg/Kg) **not defined**
- 11.2 IRRITATION
- 11.2.1 skin - **not defined**
- 11.2.2 eye - **not defined**
- 11.6 SENSITISING POWER : **it may cause sensitization**
- 11.7 MUTAGENESIS : **absence of scientifically proven evidence**
- 11.8 CANCEROGENESIS : **absence of scientifically proven evidence**
- 11.9 TERATOGENESIS : **absence of scientifically proven evidence**

12. ECOLOGICAL INFORMATION

- 12.1 TOXICITY : **noxious to aquatic organisms; it may cause long-term adverse effects in the aquatic environment. There are no specific data on toxicity related to soil organisms, plants and land animals.**
- 12.2 PERSISTENCE AND BIODEGRADABILITY : **the preparation was designed to biodegrade quickly. However, no information is available on the anaerobic biodegradation.**
- 12.3 BIOACCUMULATION POTENTIAL : **any bioaccumulation is foreseen. Any bioamplification is foreseen.**
- 12.4 MOBILITY IN THE SOIL : **no data available**
- 12.5 PBT AND VpVB EVALUATION : **no data available**
- 12.6 OTHER ADVERSE EFFECTS : **no data available**

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13. DISPOSAL INSTRUCTIONS

Recover, reprocess, and recycle if possible. Environmental manager must be informed of any spreading. Do not allow pouring into the sewer system, surface water or soil. Contact specialized company for disposal. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1	International regulations	road transportation:	Not applied
		Inland waterways transportation:	Not applied
		Sea transportation:	Not applied
		Air transportation:	Not applied
14.2	UN identification number:		None

15. REGULATORY INFORMATION

- 15.1 Rules and laws on health, safety and environment specific for the substance or mixture
None
- 15.2 Chemical safety assessment
None

16. OTHER INFORMATION

Risks phrases

R10	FLAMMABLE
R20/22	NOXIOUS BY INHALATION AND INGESTION
R38	IRRITATING TO SKIN
R41	RISK OF SERIOUS EYE DAMAGE
R43	IT CAN CAUSE SENSITIZATION FOR CONTACT WITH SKIN
R50/53	VERY TOXIC TO AQUATIC ORGANISMS; IT MAY CAUSE LONG-TERM ADVERSE EFFECTS ON THE AQUATIC ENVIRONMENT
R65	NOXIOUS: IT MAY CAUSE LUNG DAMAGE IF SWALLOWED

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H phrases

H226	FLAMMABLE	LIQUID AND VAPOURS	
H302	NOXIOUS IF SWALLOWED		
H304	IT CAN BE FATAL IN CASE OF INGESTION AND PENETRATION IN RESPIRATORY TRACT		:
H315	IT CAUSES SKIN IRRITATION		
H317	IT CAUSES A SKIN ALLERGIC REACTION		
H318	IT CAUSES SEVERE EYE INJURY		
H319	IT CAUSES SEVERE EYE IRRITATION		
H332	NOXIOUS IF INHALED		
H410	VERY TOXIC TO AQUATIC ORGANISMS WITH LONG-TERM EFFECTS		
H411	VERY TOXIC TO AQUATIC ORGANISMS WITH EFFECTS OF LONG-TERM		

The information contained on this "safety data sheet" is based on the current state of our knowledge and experience of the product and it is not exhaustive. It is applied to the product as it is, in keeping with the specifications. The product must not be used for others purposes than those specified under section 1.

No guarantee is anyway supplied concerning the accuracy, reliability or completeness of such information. It is responsibility of the user to assure the suitability and completeness of the information supplied on the product, in relation with the specific use it has to be done.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation.

The information in this safety data sheet is meant as a description of the safety requirements of our products: it is not to be considered as a guarantee of the products properties.

In case of missing entries in sections 2, 3, 8, 15 and 16, the product doesn't contain components to be mentioned and has not to be classified.

It does in no way exempt the user from observing all the laws, regulations and administrative provisions relating to the product, hygiene and safety in the workplace.

THIS SHEET REVOKES AND REPLACES ANY PREVIOUS VERSION.
