



Safety Sheet and Registration at the German Federal Environmental Agency

LIPOEX[®] - TOI

The Biological Sanitary Cleaner

Emergency Phone: +49 (0) 172/36 12 656



Product information

LIPOEX[®] - TOI - The Biological Sanitary Cleaner

Lipoex - toi is a product that is effective against highly active degrading bacteria cultures and fast active enzymes in mobile areas like toilets in buses, air-planes and trains, without use of formaldehyde or other strong chemicals.

Lipoex - toi is harmless to humans, animals and environment and has no toxic properties even working with water

Lipoex - toi is biodegradable and can therefore remain during discharge of the tank at the plant for normal treatment.

To achieve 100% efficiency **do not mix Lipoex - toi** with bleaching agents, strong acid, alkaline products or disinfectants.

For use in portable toilets with a maximum of :

- **50 liter tank volume:**

250ml Lipoex - toi to be diluted with approximately 1 liter of water. Prepare the mixture in a way so that the bottom of the sewage tank from planes, trains, buses, camping buses, ferries and other mobile toilets is covered.

- **150 liter tank volume:**

50ml - 80ml Lipoex - toi diluted in 4-8 liters of water.
Prepare the tank so that the bottom is covered.

- **2000 liter tank volume or more:**

1 liter Lipoex - toi to be added every week.

After the tank has been discharged repeat treatment.

The product is certified by the German Federal Environmental Agency with the following

License number: 2454 0008.



EC Safety Data Sheet (according to 1907/2006 / EC)

Lipoex ® - toi

1. Subject-matter / performance and company/undertaking name

1.1 Name of subject-matter or performance:

Product name: **Lipoex ® - toi**

1.2 Producer information / delivery:

Producer: C & PD Umwelttechnik Oelzschau GmbH

Thomas Müntzer-Str. 6

D-04579 Epenhain OT Oelzschau (Germany)

1.3 **Emergency Telephone: +49 34347/51 025 (Germany)**

2 Declaration of content / components

2.1 Description

Aqueous solution with microorganisms, and enzymes, alcohol, pure ethereal oils without additives, food colors, nonionic tensides (< 5%), thickening agents and odor absorber

Enzymes (< 1 % weight)

3. Possible risks

3.1 Risk instructions - not necessary

3.2 Danger symbols - not required



4. First aid measures

4.1 General instructions

4.2 First aid at outer injuries

Change clothes in contact with the solution. Rinse thoroughly with water at skin contact. In case of eye contact wash with plenty of water and seek medical help.

4.3 First aid at bodily harms

Consult your doctor immediately

5. Firefighting measures

5.1 Suitable extinguishing agents: CO₂, foam, water

6. Measures at dumping

Wipe up and dispose of. Smaller quantities may be flushed away with water.

7. Handling and Storage

7.1 Handling: Usual preventing measures

7.2 Storage: The containers are to be kept locked, dry and cool

8. Exposure controls and personal protective equipment

8.1 Exposure Hazards:

No MAK values (MAK value = threshold value for air pollution at workplaces under the German Research Association (DFG))

8.2 Personal protective equipment:

Respiratory protection not required

Eye protection required

Hand protection required



9. Physical and chemical properties

9.1	Appearance / Odor	
9.1.1	Aggregates:	liquid
9.1.2	Color:	blue
9.1.3	Odor:	aromatic-fresh
9.2	Change of state:	melting point not analyzed boiling point: 105° C
9.3	Combustion	point: not analyzed
9.4	Ignition temperature:	not analyzed
9.5	Explosive LEL:	not analyzed
	OEG:	not analyzed
9.6	Vapour pressure:	not analyzed
9.7	Density: 1.03g/ccm volume weight:	not analyzed
9.8	Solubility:	fully soluble
9.9	pH value:	6.8 -7.5
9.10	Distribution coefficient:	not analyzed
9.11	Viscosity:	not analyzed
9.12	Refractive index:	not assayed

10. Stability and reactivity

10.1	Stability:	no degradation at proper storage and treatment
10.2	Conditions of storage:	frost-free storage
10.3	Substance matter avoided:	not known
10.4	Hazardous Decomposition Products:	not known

11. Toxicological information

General toxicological information:

Microbiological product resistant to disease carriers
Microorganisms of natural origin. (1×10^9 Group I).



12. Ecological Information

No risk to health, animals, plants and environment
Water hazard class 0 (self assessment)

13. References to waste management

The product is managed according to local authority regulations
Packaging managed according to local authority regulations

14. Transport information

Other information: no limitations

15. Regulatory information

15.1 Requirements according to the EC Directive

R-Phrases: R36 teasing eyes

S- Phrases:

S26 at eye contact flush immediately with water and seek doctors

S28.1 at skin contact wash with a lot of water

S37 - suitable gloves should be worn when working

16. Other information

The above information is based on our knowledge and is not responsible for their properties.
Persistence of law and references should be taken from the recipient of our products at your own risk.



Translation of the Registration Document at the German Environmental Protection Agency.

Information process according to § 9 German Washing & Cleansing Agents Act (WRMG)

Your letter of 27-01-2004 and 26-05-2005

Ladies and Gentlemen,

This is to certify entity to our communication with the numbers

5669 0004, 5669 0007 and 5669 0008

and thereby terminate the registration of the notified products.

Each information corresponds to the German Washing & Cleansing Agents Act in accordance with § 9, passage 2 (item 1 to 6) (basic information) specified according to EC regulations from 25-02-1989 (paragraph 4.2.1).

With kind regards

(German EPA)