

**Safety Data Sheet****In accordance with EC Directive 1907/2006, Annex II****1. IDENTIFICATION OF THE SUBSTANCE, PREPARATION AND COMPANY****Identification of the substance or preparation****KI-BIOACTIV-CLEANER****Application of the material/the preparation**

Microbiological cleaner and odour destroyer

**Company name**Kemmler Baustoffe GmbH, Benzstraße 19, D-70736 Fellbach,  
Tel.: +49 (0) 711 / 51799 - 801, vertrieb@system-ernst.de**Emergency telephone number****Advice centre for symptoms of poisoning:**

Tel.: +49 (0) 228 / 19240 (Bonn)

**Company's emergency telephone number:**

Tel.:

**2. HAZARD IDENTIFICATION****For humans**

See Nos. 11 and 15 as well.

The preparation is not classified as hazardous as defined in Directive 1999/45/EC.

**For the environment**

See No. 12.

**EC Directive 648/2004**

Anionic surfactants less than 5%

Non-ionic surfactants less than 5 %

Aromatic substances

Bacterial spores category 1

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chem. name**

% range

**Symbol**

Registration no.

**R statements**

DNEL

**EINECS, ELINCS**

PNEC

--

**4. FIRST AID MEASURES****4.1 Inhalation**

Not usually inhaled.

**4.2 Eye contact**

Rinse thoroughly with water for several minutes; if necessary consult a doctor.

**4.3 Skin contact**

Wash thoroughly with lots of water, remove contaminated soaked clothing immediately, in case of skin irritation (reddening) consult a doctor.

**4.4 Swallowing**

Do not cause to vomit.

Medical treatment necessary.

**4.5 Special equipment required for first aid**

n.t.

---

**5. FIRE-FIGHTING MEASURES**

---

**5.1 Suitable extinguishing agents**

Alcohol-resistant foam

Extinguishing powder

Water jets

C02

**5.2 Extinguishing agents unsuitable for safety reasons**

n.t.

**5.3 Special danger caused by the substance or the preparation, its combustion products or gases created**

Can form in case of fire:

carbon oxides

**5.4 Special safety equipment for fire-fighting**

Depending on size of fire

Respiratory equipment independent of the ambient atmosphere.

**5.5 Other information**

Contaminated extinguishing must be disposed in accordance with official regulations.

---

**6. ACCIDENTAL RELEASE MEASURES**

---

See No. 13, and personal protection equipment, see No. 8.

**6.1 Personal safety measures**

Avoid eye contact.

Where applicable, watch for danger of slipping.

**6.2 Environmental protection measures**

Must not escape undiluted into sewer system.

Dam up if large volumes escape.

Avoid penetration of the surfaces and groundwater and into the soil.

**6.3 Cleaning**

Absorb with liquid binding material (e.g. universal binders) and dispose of in accordance with No. 13.

---

**7. HANDLING AND STORAGE**

---

**7.1 Handling****Information on safe handling:**

See No. 6.1

Note the information on the label and the instructions for use.

The general hygiene measures for handling chemicals must be applied.

**7.2 Storage****Specifications for storage rooms and containers:**

Do not store the product in gangways and stairways.

The product must be stored in the original packaging and closed.

Suitable containers:

Various plastics

Unsuitable containers:

Metals

**Special storage conditions:**

See No. 10

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### 8.1 Exposure threshold values

---

### 8.2 Exposure control

#### 8.2.1 Exposure control at the workplace

Ensure good ventilation. This can be done through local extraction or general ventilation.

If this is not sufficient, wear suitable breathing protection to keep the concentration below the WTV values.

Applies only if exposure threshold values are shown here.

Breathing protection: not normally required.

Hand protection: rubber gloves (EN 374).

Eye protection:

If risk of eye contact:

Safety goggles (EN 166)

Physical protection: standard protective overalls

Additional information on hand protection: tests were not carried out.

With regard to preparations the selection was made to the best of our knowledge and taking account of the information on the ingredients.

With regard to substances the selection was based on the information provided by the glove manufacturers.

The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation.

The selection of a suitable glove depends not only on the material but also on other quality features and differs from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be foreseen and therefore has to be tested before use.

The exact penetration time of the glove material must be obtained from the manufacturer of the safety glove and then complied with.

#### 8.2.2 Exposure control for the environment

n.d.a

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Aggregate condition:	liquid
Colour:	green
Smell:	perfumed
pH value undiluted:	6.5 – 7.5
Boiling point / boiling range (in °C):	~ 100
Melting point / melting range (in °C):	~ 0
Flash point (in °C):	n.d.a.
Lower explosive limit:	n.d.a.
Upper explosive limit:	n.d.a.
Steam pressure:	n.d.a.
Relative density (g/ml):	1.00
Solubility in water:	soluble
Steam density (air = 1):	n.d.a.

## 10. STABILITY AND REACTIVITY

### Conditions to be avoided

See No. 7.

Not to be expected if stored and handled correctly (stable).

### Substances to be avoided

See No. 7 as well.

Avoid contact with strong acids.

Avoid contact with strong bases.

### Hazardous degradation products

See No. 5.3

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity and immediately occurring effects

Swallowing, LD 50 oral, rat (mg/kg):	n.d.a.
Inhaling, LC 50 inhalation, rat (mg/l/4h):	n.d.a.
Skin contact, LD 50 dermal, rat (mg/kg):	n.d.a.
Eye contact:	n.d.a.

### Delayed and chronic effects

Sensitising effect:	n.d.a.
Carcinogenic effect:	n.d.a.
Gene-modifying effect:	n.d.a.
Dangerous effect on fertility:	n.d.a.
Narcotising effect:	n.d.a.

### Other information

No classification in accordance with the calculation procedure.  
May occur: irritation of the eyes.

## 12. ECOLOGICAL INFORMATION

Water hazard class:	1
Self-classification:	yes (VwVwS)
Persistence and degradability: > 70% OECD 301A*	
Behaviour in sewage treatment plants:	supports the degradation process
Aquatic toxicity:	n.d.a.
Biotoxicity:	n.d.a.
*Isotridecanol, ethoxylised	

## 13. DISPOSAL CONSIDERATIONS

### 13.1 For the substance / preparation / residues

Waste code no. EC:

The waste codes shown here are recommendations based on the probable use of this product. The particular application and local disposal situation obtaining for the user may lead to other waste codes being assigned as well. (2001/118/EC, 2001/119/EC, 2001/57/EC)

07 01 01 aqueous washing liquids and mother liquors

Recommendation:

Comply with local regulations

For example, suitable incineration plant.

For example: store in suitable landfill.

### 13.2 For contaminated packaging material

See No. 13.1

Comply with local regulations

Recommendation:

15 01 02 - Plastic packaging

15 01 01 - Paper and cardboard packaging

## 14. GENERAL TRANSPORT INFORMATION

### General information

UN no.: n.a.

### Road/rail transport (GGVSE/ADR/RID)

Class/packaging group: n.a.

Classification code: n.a.

LQ: n.a.

### Transport on sea-going vessels

GGVSee/IMDG code: n.a. (class/packaging group)

EmS No.: n.a.

Marine pollutant: n.a.

### Carriage by air

IATA: n.a. (class/ancillary danger/packaging group)

**Additional information:**

not a dangerous substance under the above Regulations.

**15. REGULATORY INFORMATION**

Danger symbols: Not applicable

Indications of danger: --

R statements:

S statements:

Voluntary:

(2) Keep away from children

(46) If swallowed, consult a doctor immediately and show the packaging or the label

Supplements: n.a.

Observe restrictions: n.a.

**16. Other information**

This information refers to the product as delivered.

Storage class under VCI: 12

Revised clauses: 2, 15

The conformity of this product was confirmed by an independent institute pursuant to s. 9 of the regulations governing the transposition of EC Directives on the protection of employees from dangers caused by biological materials at work. All bacteria listed are to be classified in risk group 1 and a toxic or/and sensitising effect can be ruled out. Experiments to check 1) germ identity and 2) foreign germs were not carried out. The basis of this declaration of conformity is five bacteria species that do not represent any pathogenic or optionally pathogenic micro-organisms.

**Abbreviations**

n.a. = not applicable / n.av. = not available / n.t.. = not tested / n.d.a. = no data available

WTV = workplace threshold value / BTV = biological threshold value

VbF = Flammable Liquids Regulations (Austrian Regulations)

WHC = Water Hazard Class (German regulations)

WHC3 = Highly water polluting substance, WHC2 = Water polluting substance WHC1 = Slightly water polluting substance

VOC-CH = Volatile organic compounds

AOX = Adsorbable organic halogen compounds

The purpose of the information provided here is to describe the product with regard to the required safety measures; it is not intended to warrant specific properties and is based on our current knowledge. Liability excluded.