
EC-Material Safety Data Sheet (according 91/155/EWG)

1. Chemical identification of the preparation and company

Product Trading name: **LuciPac™ II**
 name: LuciPac II Swab
 Article number: 1 002 658
 Field of application: Hygiene analysis
 Date of issue: 23.05.03
 Date of revision: 09.01.2004
 Supplier: HyServe
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2. Composition/information on ingredients

The product described is a pure substance: no
 Chemical Characterization: see below
 (Dangerous) Components: with the used amounts: none

Extraction reagent

CAS-No.	designation	content [%]	Kb 1	Kb 2	Kb 3	Risk regulations component
6381-92-6	ethylenediamine-N,N,N',N'-tetraacetic acid disodiumsalt dihydrate (EDTA)	< 20	Xi	n/a	n/a	36-37-38
63449-41-2	benzalkonium chloride	< 5	C	N	n/a	21-22-34 50

n/a: not applicable

Bioluminescence reagent

CAS-No.	designation	content [%]	Kb 1	Kb 2	Kb 3	Risk regulations component
6381-92-6	ethylenediamine-N,N,N',N'-tetraacetic acid disodiumsalt dihydrate (EDTA)	< 20	Xi	n/a	n/a	36-37-38
3483-12-3	dithiotreitol (DTT)	< 25	Xn	n/a	n/a	22-36-38
2591-17-5	D-luciferin	< 0.1	T+	n/a	n/a	23-24-25 36-37-38

n/a: not applicable

3. Hazard identification

Basing on the concentrations in the composition it is not an hazardous product in terms of directive 1999/45/EG.

4. First aid measures

If inhaled: Remove to fresh air.

In case of skin contact: Flush with copious amount of water.

In case of contact with eyes: Flush with copious amount of water while separating the eyelids with fingers. If irritations appear and persist call a physician.

If swallowed: Flush with copious amount of water. Call a physician.

5. Fire fighting

Extinguishing media:

water, CO₂, foam, powder

6. Spillage, accidental release

Personal precautions:

Avoid swallowing; do not store together with food.

Environment precautions:

Avoid release into sewerage.

Procedures for clean-up/absorption:

Sweep up with cellulose and hold for waste disposal.

7. Handling and storage

Handling:

No special requirements

Storage:

Dry. At +2°C to +10°C.

8. Exposure controls/personal protection

Threshold value for maintenance of industrial health and safety standards:

Application of minimum protective standards are mandatory.

Personal protection:

Protection wear according to national laboratory regulations are sufficient for personal safety (coat, safety goggles, shoes, disposable gloves (latex)).

After finishing work, wash hands and use preventing skin care.

9. Physical and chemical properties

Appearance:	Extraction reagent: liquid Bioluminescence reagent: solid
Color:	Extraction reagent: clear transparent Bioluminescence reagent: light green
Odour:	no data available

	value/range	unit	method
pH:	not determined		
boiling point/-range:	not determined		
flammability:	not flammable		
explosive properties:	not explosive		
vapor pressure:	not determined		
relative density:	not determined		
solubility in water:	Extraction reagent: aqueous solution Bioluminescence reagent: water soluble;		

10. Stability and reactivity

Avoidable conditions:

nothing known

Avoidable substances:

nothing known

Dangerous decomposition products:

nothing determined

Further declarations:

none

11. Toxicological information

Toxicity data:

not determined

Further statements regarding the toxicological effects:

The components in the preparation are used in such low concentrations that with proper handling and use no toxicological effects are expected.

Further declarations:

Handle the product with for chemicals usual care.

12. Ecological information

Ecotoxicological effects:

Quantitative data of the ecological impact of this composition are not yet known.

Biological degradability:

not known

Biological effects:

not known

The product should not get into environmental waters, sewage or soil. In case of accidental release flush or dilute with copious amounts of water.

13. Disposal considerations

Product:

There are no uniform regulations for disposal of chemical within the member states of the EC. Contact a licensed professional waste disposal service for dispose of this material. Observe all federal, state and local environmental regulations.

Packaging:

Dispose according the regulations of the public authorities. Contaminated packaging has to be treated like the composition. If not otherwise regulated by public authorities, not contaminated packaging can be treated like household waste or brought to recycling procedures.

14. Transport information

Land transport: GGVS, GGVE, ADR, RID

class: ---

designation: ---

Inland ship transport: ADN, ADNR

class: ---

Ocean shipping transport: IMDG, GGVSee

class: ---

EmS: ---

MFAG: ---

designation: ---

Air transport: ICAO, IATA

class: ---

designation: ---

This product is no matter of the shipping regulations.

15. Regulatory information

Indication following the EC directives:

Symbols: ---

Risk regulations: ---

Safety Regulations: ---

Note:

The Product is not under duty for indication according the EC directive 67/548 and 1999/45 EG.

16. Other information

The specifications basing on the up to date knowledge and serve to describe the product with regard to the necessary safety precautions. It is no assurance for properties of the specified product.