

SAFETY DATA SHEET

according to Regulation (EC) No. 2015/830

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name: Kovacs Indole Reagent
Code number: KIR
Registration number.: -
CAS number: -

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Microbiological diagnostics
Uses advised against: No information available

1.3 Details of the supplier of the safety data sheet

Manufacturer/distributor: BIOLAB Inc.
H-1141 Budapest, Öv u. 43.
Hungary
Telephone: +36-1-221-9614
Fax: +36-1-364-2006
E-mail: export@biolab.hu

1.4 Emergency telephone number

Emergency telephone: Please contact the regional Authority in your country.

2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Classification according to Regulation (EU) (CLP)No. 1272/2008.

Flam. Liq. 3
Acute Tox. 4, Oral
Skin Irrit. 2
Eye Dam. 1
STOT SE 3

2.2 Label elements

Labelling in accordance with Regulation (EU) No. 1272/2008:

Signal word: Danger

Hazard Statements (H phrases):
H226, H302, H315, H318, H335, H336

Precautionary Statements (P phrases):
P261, P280, P302+352, P305+351+338

Full text of H- and P-phrases mentioned above: see in section 16.

Pictograms:



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2.3 Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

It is not necessary to publish the components.

Harmful components according to Regulation (EU) No. 1272/2008

Components	Classification	Concentration
Isobutanol (i-pentanol)		
CAS-No. 123-51-3 EU-No. 204-633-5	Flammable Liquid 3, Acute Tox. 4; Stot SE 3 H226, H332, H335; P210, P304+340	>75%
Hydrochloric acid		
CAS-No. 76-4701-0 EU-No. 231-595-7	Skin Corr. 1B, Corrosive to metals 1, STOT SE 3; H314, H335, H290; P280, P301+330+331, P309+310, P305+351+338	>25%

Full text of the H and P phrases: see in section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Consult a physician. Show the label and this safety data sheet to the doctor in attendance. Never administer anything orally to persons who are unconscious.

After inhalation: Remove the victim from exposure and move into open air. Consult a physician.

After skin contact: Remove contaminated clothing. Flush the skin with water, then wash thoroughly with soap and water.

After eyes contact: Rinse out eyes with plenty of clean and cold water while pulling eyelids up, and seek medical assistance.

After ingestion: Rinse the mouth with water and seek immediate medical attention. Never administer anything orally to persons who are unconscious. Never induce vomiting.

4.2 Most important symptoms and effect, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No information available

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Combustible material. Forms explosive mixtures with air at elevated temperatures. Development of hazardous combustion gases or vapours possible in the event of fire: hydrogen chloride gas, nitrous gases, nitrogen oxides.

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5.3 Advice for fire-fighters

Wear self contained breathing equipment for firefighting.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dusts; do not inhale dusts. Provide appropriate exhaust ventilation. Use personal protective clothing.

6.2 Environmental precautions

Prevent the contamination of drains, surface or subterranean waters, and the ground. Risk of explosion.

6.3 Methods and material for containment and cleaning up

Take up with liquid-absorbent and neutralising material (e.g. sand, perlite, Chemisorb). Keep in suitable, closed containers for disposal. Clean up affected area.

6.4 Reference to other sections

Refer to protective measures listed in Section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Work under hood.

Avoid direct contact with the material, spillage, ingestion, eye and skin contact, inhalation. No eating and smoking during working. In the application area, smoking, eating and drinking must be prohibited. Bathing facilities with hot water, emergency douche and eye irrigator have to be ensured. Wash hands after working with the product. Remove contaminated clothing.

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry place protected from light at 15-25 °C. Keep away from open flames, hot surfaces and sources of ignition.

7.3 Specific end use(s)

Use in laboratories.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The product does not contain substances with Professional Exposure Environmental Limit Values.

Exposure limits

Allowable workplace concentration (AK) (mg/m³): 8 mg/m³

Workplace peak concentration: (CK) mg/m³: 16 mg/m³

Biological exposure: No information available

8.2 Exposure controls

General instructions

Avoid direct contact with the material, spillage, ingestion, eye and skin contact, inhalation. No eating and smoking during working. Bathing facilities with hot water, emergency douche and eye irrigator have to be ensured. Wash hands after working with the supplement. Remove contaminated clothing.

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Personal protection:	Wear protection clothing, remove the contaminated clothing. Wash hands after working with the substance.
Personal protection equipment:	respirator required (type P1) when dusts are generated
Eye protection:	safety glasses are required
Hand protection:	use disposable gloves (nitrile caoutchouc 0,11 mm, breakthrough time 0,11 mm, breakthrough time > 480 min.), and wash hands after working with this substance

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Clear liquid, free from sediment
Colour (dehydrated medium):	Yellowish
Odor (dehydrated medium):	No information available
pH (25 °C):	< 1
Water solubility:	Not applicable
Odor threshold:	No information available
Melting point/range:	No information available
Flash point:	36 °C
Evaporation rate:	No information available
Flammability (solid, gas):	No information available
Flammability range:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Relative density:	No information available
Partition coefficient (n-octanol/water):	No information available
Autoignition temperature:	No information available
Decomposition temperature:	No information available
Viscosity:	No information available
Explosive properties:	No information available
Oxidizing properties:	No information available

9.2 Other information

No information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Has a corrosive effect. Vapour/air mixtures are explosive at intense warming.

10.2 Chemical stability

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions

Exothermic reaction with: Amines, potassium permanganate, salts of oxyhalogenic acids, semimetallic oxides, semimetallic hydrogen compounds, aldehydes, vinylmethyl ether, alkaline earth metals, strong reducing agents, acid halides.

Risk of explosion with: alkali metals, conc. sulfuric acid.

10.4 Conditions to avoid

Heating: a range from approx. 15 °C below the flash point is to be rated as critical.

10.5 Incompatible materials

Risk of ignition or formation of inflammable gases or vapour with: carbides, strong oxidizing agents, aluminium, hydrides, formaldehyde, metals, sulphides.

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10.6 Hazardous decomposition products

See details in section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	No information available
Skin irritation/corrosion:	No information available
Serious eye damage/irritation:	No information available
Respiratory or skin sensitization:	No information available
Germ cell mutagenicity:	No information available
Carcinogenicity:	No information available
Reproductive toxicity:	No information available
STOT – single exposure:	No information available
STOT – repeated exposure:	No information available
Aspiration hazard:	No information available

12. ECOLOGICAL INFORMATIONS

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

Do not dispose of the residue into water, sewage or soil.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Residue is classified as hazardous.

Contaminated packaging: Handle contaminated empty packaging in the same way as the substance itself.

Waste treatment regulations: Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 UN-number

ADR/RID: 2920

IMDG: 2920

IATA: 2920

14.2 UN proper shipping name

ADR/RID: Corrosive liquid, Flammable, N.O.S. (n-Butanol, Hydrochloric acid)

IMDG: Corrosive liquid, Flammable, N.O.S. (n-Butanol, Hydrochloric acid)

IATA: Corrosive liquid, Flammable, N.O.S. (n-Butanol, Hydrochloric acid)

14.3 Transport hazard class(es)

ADR/RID: 8 (3)

IMDG: 8 (3)

IATA: 8 (3)

14.4 Packaging

ADR/RID: II

IMDG: II

IATA: II

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14.5 Environmental Hazards

ADR/RID: no

IMDG: no

IATA: no

14.6 Special precautions for user

No special precautions required

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code

Not applicable, packaged goods

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 (REACH) and 1272/2008 EK (CLP-GHS)

15.2 Chemical safety assessment

There has been no evaluation a chemical safety assessment of the product.

16. OTHER INFORMATION

Full text of H and P phrases:

- | | |
|--------------------|--|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H290 | May be corrosive to metals. |
| H332 | Harmful if inhaled. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. — No smoking. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P301+330+331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P309+310 | IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. |

During recent review the Safety Data Sheet was revised completely.

The information in this Safety Data Sheet is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.