

ENGLISH

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

1.1 Product identifiers

Product name: Urea/Indole Test
 Product Number: 88024

1.2 Identified uses of the relevant substance or mixture and uses advised against

Identified uses relevant: Professional uses, Health services, scientific research and development

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Liofilchem®
 Address: Via Scozia, 64026 - Roseto degli Abruzzi (TE)
 Telephone number: 085/8930745
 Fax number: 085/8930330
 E-mail address: liofilchem@liofilchem.com

1.4 Emergency telephone number

+39 02-66101029 (Centro Antiveleni Niguarda Cà Granda - Milano).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Flam. Liq. 3, Flammable liquids (Category 3); H226
 Skin Corr. 1B, Skin corrosion (Category 1B); H314
 Eye Dam. 1, Serious eye damage (Category 1); H318
 STOT SE 3, Specific target organ toxicity - single exposure (Category 3); H335, H336

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Danger

Hazard statement(s)

H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, flames and other sources of ignition. No smoking.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician

Supplemental Hazard Statements none

2.3 Other hazards – none

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Refer to component MSDS

SECTION 4. FIRST AID MEASURES

Refer to component MSDS

SECTION 5. FIRE-FIGHTING MEASURES

Refer to component MSDS

SECTION 6. ACCIDENTAL RELEASE MEASURES

Refer to component MSDS

SECTION 7. HANDLING AND STORAGE

Refer to component MSDS

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component MSDS

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component MSDS

SECTION 10. STABILITY AND REACTIVITY

Refer to component MSDS

SECTION 11. TOXICOLOGICAL INFORMATION

Refer to component MSDS

SECTION 12. ECOLOGICAL INFORMATION

Refer to component MSDS

SECTION 13. DISPOSAL CONSIDERATIONS

Refer to component MSDS.

SECTION 14. TRANSPORT INFORMATION

Refer to component MSDS

SECTION 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of European Parliament and of the Council Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and Commission Regulation (EU) No. 453/2010 amending Commission Regulation (EC) No. 1907/2006.

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

The product is classified, coded and labeled in accordance with EU Regulation on Hazardous Materials.

15.2 Chemical Safety Assessment

This product has not been made a chemical safety assessment.

SECTION 16. OTHER INFORMATION

Kit Components

88024A	Urea/Indole Test	Not Dangerous
080415	Kovac's Reagent	Flam. Liq. 3, Flammable liquids (Category 3); Skin Corr. 1B, Skin corrosion (Category 1B); Eye Dam. 1, Serious eye damage (Category 1); STOT SE 3, Specific target organ toxicity - single exposure (Category 3);

Text of H code(s) and R-phrases(s) mentioned in Section 3

Flam. Liq. 3, Flammable liquids (Category 3);
 Skin Corr. 1B, Skin corrosion (Category 1B);
 Eye Dam. 1, Serious eye damage (Category 1);
 STOT SE 3, Specific target organ toxicity - single exposure (Category 3);
 H226 Flammable liquid and vapour
 H290 May be corrosive to metals
 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

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CLP: Regulation concerning the classification, labelling and packaging of substances and mixtures, Regulation (EC) No. 1272/2008.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

CL50: Middle lethal concentration of individuals in essay

DL50: The median lethal dose that causes death in 50% of individuals in essay

PBT: Persistent, bioaccumulative and toxic substance

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Regulation (EC) No. 1907/2006

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

vPvB: Very persistent and very bioaccumulative substance

Training advice

The product must be used by qualified personnel. It is recommended to provide basic training with regard to safety and health at work to ensure proper handling of the product.

Further information

This sheet replaces any previous edition.

The information in this document is based on the present state of our knowledge. The user must ensure the accuracy and completeness of such information in relation to the specific use intended.

Liofilchem® shall not be held liable for any damage resulting from handling or from contact with the above product. See www.liofilchem.com for additional terms and conditions of sale.

Previous date: 01.06.2015

Revision date: 17.04.2023

Revision Number: rev. 7

Code Number (REF):	88024A
Description:	Urea/Indole Test
Date of revision:	Rev. 5 of 17.04.2023

Liofilchem® certifies that the above-mentioned product is not classified hazardous and does not contains hazardous ingredients, substances with Community workplaces exposure limits or substances of very high concern above their disclosure limits according to the criteria described in Regulation (EC) No. 1272/2008. concerning the classification, labelling and packaging of substances and mixtures and its revisions. Consequently, a Material Safety Data Sheet is not provided for this product. (Regulation EC No. 1907/2006 – REACH and Regulation 2020/878).

The product must be used by qualified personnel.

Remind that the waste of the product must be carried out according to legislation in force and in conformity with local regulations

Matteo Nallira
Regulatory Affairs
(signature on file)

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ENGLISH

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

1.1 Product identifiers

Product name: Kovac's Reagent

Product Number: 80271-87001-\$080401-\$080413-\$080415-\$080435

1.2 Identified uses of the relevant substance or mixture and uses advised against

Identified uses relevant: Professional uses, Health services, scientific research and development

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Liofilchem®

Address: Via Scozia, 64026 - Roseto degli Abruzzi (TE)

Telephone number: 085/8930745

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E-mail address: liofilchem@liofilchem.com

1.4 Emergency telephone number

+39 02-66101029 (Centro Antiveleni Niguarda Cà Granda - Milano).

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Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

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2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Danger

Hazard statement(s)

H226 Flammable liquid and vapour.
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Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, flames and other sources of ignition. No smoking.
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 P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician

Supplemental Hazard Statements none

2.3 Other hazards – none

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous substances

CAS n°	EC n°	Index n°	Registration number REACH	Concentration	Classification according Regulation (EC) No 1272/2008
Isobutyl alcohol					
78-83-1	201-148-0	603-108-00-1	-	75.0%	Flam. Liq. 3; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H226, H315, H318, H335, H336
Chloridric acid 37%					
7647-01 -0	231-595-7	-	-	25.0%	Met. Corr. 1; Skin Corr. 1B; STOT SE 3; H290, H314, H318 H335
4-Dimethylaminobenzaldehyde					
100-10-7	202-819-0			0,5 g/l	Skin Sens. 1B; H317

Additional Information:

For the full text of H codes mentioned in this section, see section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash with plenty of soap and water. Consult a physician.

In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.

If swallowed: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Oxides of Carbon.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Remove all sources of ignition. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For information on safe handling, see Chapter 7.

For information on personal protection equipment see Chapter 8.

For disposal information see Chapter 13.

Upper / lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	soluble
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	Product not selfigniting
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other safety information
 no data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity
 no data available

10.2 Chemical stability
 Stable under recommended storage conditions

10.3 Possibility of hazardous reactions
 no data available

10.4 Conditions to avoid
 Heat, flames and sparks.

10.5 Incompatible materials
 Alkali metals, Oxidizing agents, Peroxides.

10.6 Hazardous decomposition products
 No decomposition when used for the intended uses.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- **Isobutyl alcohol (CAS NO. 78-83-1)**

Acute toxicity

LD50 Oral - Rat - female - 3.350 mg/kg
 LC50 Inhalation - Rat - male and female - 4 h - 24,6 mg/l – vapor
 LD50 Dermal - Rabbit - female - 2.460 mg/kg

Skin corrosion/irritation

Skin – Rabbit
 Result: Irritating to skin. - 24 h

Serious eye damage/eye irritation

Eyes - Rabbit
 Result: Corrosive - 24 h

Respiratory or skin sensitization

No data available

Germ cell mutagenicity : negative

Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity - May cause respiratory irritation. - Respiratory Tract
 May cause drowsiness or dizziness. - Central nervous system

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

- **Chloridric acid 37% (CAS NO. 7647-01 -0)**

Acute toxicity No data available

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Strong caustic effect.
 Strong irritant with the danger of severe eye injury.
 Causes serious eye damage.

Inhalation:

Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
 Harmful if inhaled. May cause respiratory tract irritation.

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Previous date: 01.06.2015

Revision date: 17.04.2023

Revision Number: rev. 4