

	Type:	Safety Data Sheet
	Title:	MID-61F Indole Kovaks Reagent

DATE OF ISSUE: September 2017

ISSUED TO MEET THE REQUIREMENTS OF REGULATION (EC) 1907/2006:
ARTICLE 31

SECTION 1: Identification of the substance and of the company/undertaking

Product Identifier: MID-61F		Indole Kovaks Reagent		
Product Use: Reagent for use in Microgen Bacterial ID range of products.				
Manufacturer's Name: Microgen Bioproducts Limited				
Manufacturer's Address: Unit 1, Watchmoor Point, Camberley, Surrey, GU15 3AD, UK				
Postal Code	GU 15 3AD	Emergency Telephone	+44(0)1276 600081	Fax: +44 (0) 1276600151
Hours of Operation:	09:00 -17:00 GMT	Email	customerservice.camberley@lab21.com	

SECTION: 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Iso-Amyl alcohol

Flammable liquids (Category 3)

Acute toxicity

Inhalation (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Respiratory system,

Hydrochloric Acid

Corrosive to metals (Category 1),

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Iso-Amyl alcohol

R10, R20

Flammable

Harmful by Inhalation

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Hydrochloric Acid

C, Corrosive

R34-37

Causes burns

Irritating to respiratory system

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Other hazards that do not result in classification: Not applicable

2.2 Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



Signal word: Danger

Hazard-determining components of labelling: Iso-Amyl alcohol
& Hydrochloric Acid

Hazard statements:

H290 May be corrosive to metals.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

SECTION 3: Composition / Information on Ingredients

Components	CAS Number / EC Number	Concentration
Iso-amyl alcohol	30899-19-5/ 250-378-8	75%
Hydrochloric Acid	7647-01-0/ 231-295-7	29.5%

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SECTION 4: First aid measures

- **Eye contact** – Rise immediately with plenty of water. Keep eye wide open while rinsing.
- **Skin contact** – Wash skin immediately with soap and water. If irritation persists seek medical attention.
- **Ingestion** – Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large Quantities of this material are swallowed, call a physician immediately.
- **Inhalation-** If breathing is difficult, give oxygen. Remove from exposure, lie down. Induce artificial respiration with a respiratory medical device. Obtain medical attention.
- **Equipment to be available at the workplace for specific and immediate treatment:** Eye –washing and skin-washing facilities

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Special hazards arising from the substance or mixture

Hydrogen chloride gas

5.3. Advice for firefighters

- **Protective equipment:** Wear self-contained breathing apparatus pressure-demand, and full protective gear

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid contain with Skin, eyes and clothing.

6.2. Environmental precautions:

Should not be released into the environment. Do not flush into surface water or sanitary Sewer system.

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6.3. Methods and material for containment and cleaning up:

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

SECTION 7: Handling and storage

7.1. Handling

For in laboratory use only. Read the Instructions for Use. Always follow Good Laboratory Practice when using this product. Avoid contact with eyes, skin and clothing.

7.2. Storage

Store at 2-8°C. Keep all containers tightly closed until ready to use. Under these conditions reagents will retain their activity until the expiry date shown on the label on outer carton. Containers which are opened must be carefully resealed and kept upright to prevent leakage

SECTION 8: Exposure controls/personal protection

8.1. Exposure Limit Values Hydrochloric Acid:

UK EH40: OES 1ppm (2mg/m³) 8hr TWA

UK EH40: OES 5ppm (8mg/m³) 15 min STEL

8.2. Exposure Controls

Ensure adequate ventilation, especially in confined areas.

8.2.1. Occupational

Respiratory	Handle in a fume cupboard or under local exhaust ventilation
Hands	Disposable vinyl gloves
Eyes	Safety glasses with shields recommended
Body	Laboratory coat

SECTION 9: Physical and Chemical Properties

Appearance: Colourless –yellow liquid

Odour: Disagreeable and choking

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10. Stability and Reactivity

10.1. Stability: Stable under recommended storage conditions. Do not use after stated expiry date. Store at 2-8°C.

10.2. Materials/Conditions to avoid: Oxidant agents. Alkaline solutions. Aluminium. Alkaline metals. Alkali-earth metals. Metals, Formation of hydrogen (risk of explosion)

10.3. Hazardous decomposition products: Hydrogen chloride

10.4. Incompatible Materials: The gases/fumes can form explosive mixtures with the air.

SECTION 11: Toxicological Information

11.1. Acute toxicity: Harmful by inhalation

11.2. Sensitisation – skin: Corrosive in case of skin contact

11.3. Serious Eye damage / Irritation: Corrosive in case of eye contact

SECTION 12: Ecological Information:

- Toxicity : Eco toxic in water environment
- Persistence and degradability: No data available
- Bio accumulative potential: No data available
- Mobility in soil: No data available
- Results of PBT and vPvB assessment
 - PBT: No data available
 - VPvB: No data available.
- Other adverse effects :
Risk of formation of explosive fumes on the surface of the water.
Eco toxic effects due to the pH variation.
Do not allow it to enter soils or water channels.

SECTION 13: Disposal Considerations

Dispose of according to any local, national or regional regulations.

SECTION 14: Transport Information

UN Number	2920
Proper shipping name	Corrosive liquid, Flammable, N.O.S. (hydrochloric acid and Amyl alcohol)
Class	8 (sub risk 3)
Packing Group	II

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SECTION 15: Regulatory Information

Health, safety or environmental information is required on the label (according to Regulation (EC) No 1272/2008)

SECTION 16: Other Information

16.1. Recommended restrictions on use:

This product is intended to be used for laboratory use only by technical staff trained in microbiological techniques. Classification and labelling have been performed according to CLP Regulations.

Read the Instructions for Use for further information on limitations of use.

16.2. Sources of information used to compile this sheet

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, authorisation and restriction of chemicals (REACH): Article 31: Requirements for safety data sheets, and Annex II: Guide to the compilation of safety data sheets, OJL, 136, 29.5.2007, pp 35-36 and pp 84-89.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, and amending Directive 67/548/EEC and Regulation (EC) No 1907/2006 (in short CLP).

Commission Decision 2000/532/EC establishing a list of wastes pursuant to Article 1 (a) of Directive 75/442/EEC on Waste and Article 1 (4) of Directive 91/689/EEC on Hazardous Waste. CONSLEG: 2000D0532-01/01/2002, Office for Official Publications of the European Communities.

Approved Supply List (8th edition), Information provided for the classification and labelling of substances and preparations for supply, United Kingdom Health and Safety Commission, 2005 (based on Annex I of 67/548/EEC).

Directive 98/79/EC of the European Parliament and of the Council on *in vitro* diagnostic medical devices, Annex I, Essential Requirements, OJ L, 331, 7.12.98, p 20.

List of approved workplace exposure limits, Table 1 of EH40/2005, United Kingdom Health and Safety Commission, 2ND edition published 2011, implementing the European Commission's Indicative Occupational Exposure Limit Values Directive 2009/161/EU.

16.3. Changes from previous version

Replaces previous MSDS for MID 61F, Indole Kovaks Reagent, June 2015.

All sections: updated format and details according to REACH GUIDELINES Annex-II and CLP.

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The above information is based on data available and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it shall make their own determinations of the effects, properties and protections which pertain to their particular conditions.

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QA/RA Department: <i>Sajana</i>	Date: 27-Sep-17
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