

Safety Data Sheet

1-Dodecylimidazole

Revision Date: 09/30/2015

Date Issued: 2/21/2018

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	1-Dodecylimidazole
Product code	KI-0027
CAS	4303-67-7
Identified uses	Laboratory chemicals, Manufacture of substances
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Emergency telephone	+49 (0)176-84850874
Email	msds@iolitec.de

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin corrosion/irritation, Category 2, H315

Serious eye damage/Eye irritation, Category 2, H319

Specific Target Organ Toxicity - Single exposure: Respiratory tract irritation, Category 3, H335

Classification (67/548/EEC or 1999/45/EC)

Xi, R36/37/38 Irritant to eyes, respiratory system and skin

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal word: **Warning**

Hazard statements

H-phrases

H315:	Substance not yet fully tested.
H319:	Causes skin irritation.
H319:	Causes serious eye irritation.
H335:	May cause respiratory irritation.

Precautionary statements

P phrases

P261:	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Labelling (67/548/EEC or 1999/45/EC)



Xi

Risk phrases

R36/37/38:	Irritating to eyes, respiratory system and skin.
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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(H/R/No.)
1-Dodecylimidazole	>98%	Xi, GHS07	H 315, H319, H335 R 22, R 34 , R 52/53

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4 FIRST AID MEASURES

General	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Skin	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Eyes	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

5 FIRE FIGHTING MEASURES

Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special fire fighting procedures	Avoid water in straight hose stream, will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.
Unusual fire & explosion hazards	Vapours may form explosive mixture with air.
Protective measures in fire	Wear self contained breathing apparatus for fire fighting if necessary.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions during spill	Wear protective clothing and avoid inhalation of vapor, skin or eye contact. Ensure adequate ventilation. Evacuate personnel to safe areas.
Precautions to protect environment	Avoid washing into water courses. Avoid contaminating public drains or water supply.
Spill cleanup methods	Avoid contact with skin or inhalation of spillage, dust or vapor, Avoid dust formation. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Handle and store under inert gas.

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective equipment

Safety goggles. Chemical resistant gloves.
Protective clothing.

Process control measures

Provide eyewash station and safety shower.
Use engineering controls to reduce air contamination to permissible exposure levels.

Ventilation

Provide adequate general and local exhaust ventilation.

Respirators

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) or CEN (EU).

Other protection

Wear overalls and industrial shoes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Liquid

Color

Colourless to yellow

Molecular Weight

236.39 u

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10 STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid contact to acids and strong oxidizers.
Hazardous	
Decomposition Products	High temperatures generate: Corrosive gases/vapor/fumes of: Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x).

11 TOXICOLOGICAL INFORMATION

Acute toxicity	no data available
Irritation and corrosion	Skin - rabbit - Severe skin irritation Eyes - rabbit - Severe eye irritation
Sensitisation	no data available
Chronic exposure	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Genotoxicity in vitro	negative

12 ECOLOGICAL INFORMATION

Elimination information	
(persistence and degradability)	Not readily biodegradable
Ecotoxicity effects	Toxic effects on fish and plankton and other aquatic invertebrates: (EC50 - Daphnia magna (Water flea) - 70,7 mg/l - 48 h Method: OECD Test Guideline 202)

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Environmental hazards

Avoid washing into water courses. Avoid contaminating public drains or water supply.

13 DISPOSAL CONSIDERATIONS

Disposal method

Contact specialist disposal companies. Dispose of in accordance with Local Authority requirements. Recover and reclaim or recycle, if practical.

14 TRANSPORT INFORMATION

UN No.

UN 3267

Road/Rail transport notes

UN-Number: 3267 Class: 8 Packing group: III
Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(1-Dodecyl-1H-imidazole)

Sea transport notes

UN-Number: 3267 Class: 8 Packing group: III
EMS-No: F-A, S-B
Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1-Dodecyl-1H-imidazole)
Marine pollutant: No

Air transport notes

UN-Number: 3267 Class: 8 Packing group: III
Proper shipping name: Corrosive liquid, basic, organic n.o.s. (1-Dodecyl-1H-imidazole)

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15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

German Regulation VwVwS (Self-assessment):

Water hazard class 2 (WGK2): hazard to waters. Do not allow to enter waters, waste water, or soil.

15.2 Chemical Safety Assessment

no data available

16 OTHER INFORMATION

DISCLAIMER

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