

Safety Data Sheet

1,2-Dimethylimidazole

Revision Date: 01/26/2010

Date Issued: 7/15/2016

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

Product name	1,2-Dimethylimidazole
Product code	KI-0037
CAS	1739-84-0
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
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)179-5322578
Email	msds@iolitec.de

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Oral (Category 4)

Skin corrosion (Category 1B)

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

Harmful if swallowed. Causes burns.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal word:

Danger

Hazard statements

H-phrases

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

Precautionary statements

P phrases

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

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.

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

C

corrosive

Risk phrases

R22

Also harmful if swallowed.

R34

Causes burns.

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Safety phrases

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(R/H/No.)
1,2-Dimethylimidazole	>98%	T	R22, R34 H302, H314

4 FIRST AID MEASURES

General	Consult a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.
Ingestion	Do not induce vomiting. Call a physician or Poison Control Center immediately.

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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.

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

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Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or dust. 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.

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 particle respirator type N100 (US) or type P3 (EN 143) 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.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid
Color	white
Molecular mass	96.13 u
Melting point	37-39 °C
Boiling point	204 °C
Flash point	92°C
Vapor pressure	1 mmHg (20°C)
Relative density	1.084 g/cm ³

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	n/a
Irritation and corrosion	n/a
Sensitisation	no data available

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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.

12 ECOLOGICAL INFORMATION

Elimination information

(persistence and degradability) n/a

Ecotoxicity effects n/a

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 3263

Road/Rail transport notes

UN-Number: 3263 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID,
BASIC,ORGANIC, N.O.S
(1,2-Dimethylimidazole)

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Sea transport notes

UN-Number: 3263 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID,
BASIC, ORGANIC, N.O.S
(1,2-Dimethylimidazole)

Air transport notes

UN-Number: 3263 Class: 8 Packing group: II
Proper shipping name: CORROSIVE SOLID,
BASIC, ORGANIC, N.O.S
(1,2-Dimethylimidazole)

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 :

Reg.no. 7046. Classification according to annex 3

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

15.2 Chemical Safety Assessment

no data available

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16 OTHER INFORMATION

DISCLAIMER

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