

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

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

1.1. Product identifier

Product Name: Dia-IMIDAZOL

Reference No.: 21180

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

Uses of the substance or mixture: Laboratory reagent for In Vitro Diagnostic use

Uses advised against: All other uses advised against.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: Diagon Ltd.

48-52. Baross str.

Budapest, Hungary

H-1047

Tel.: +36-1-3696500

Fax: +36-1-3696301

www.diagon.com

Informing service: Diagon customer service customerservice@diagon.com

E-mail address of the person responsible for the safety data sheet: diagon@diagon.com

1.4. Emergency telephone number

+36-80-201-199 Health Toxicological Information Service

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Reproductive toxicity – Category 1B

2.2. Label elements

Hazard pictogram(s):



Signal word: Danger

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

Hazard statement(s):

H360D: May damage the unborn child.

Precautionary statement(s):

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P280: Wear protective gloves/ protective clothing.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P405: Store locked up.

P501: Dispose of contents/ container to in accordance with local/ regional/national/international regulation.

Supplemental hazard statement(s) (EU):

EUH032: Contact with acids liberates very toxic gas.

Hazardous components should be on the label:

Imidazole




2.3. Other hazards

The mixture is not classified as PBT or vPvB because its components are not classified as PBT or vPvB either.

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK
SECTION 3: Composition/information on ingredients

3.2. Mixtures

Dangerous components according to Regulation (EC) No 1272/2008:

CAS: EC:	Name	REACH registration number	Hazard class and pictograms	H-statements	Concentration %
288-32-4 206-019-2	<i>Imidazole</i>	01-2119485825- 24-XXXX	Acute toxicity – oral – Category 4., Skin corrosion Category 1C, Serious eye damage – Category 1. Reproduction toxicity – Category 1B 	H302, H314, H360D	< 0,4 %
26628-22-8 247-852-1	<i>Sodium- azide</i>	01-2119457019- 37-XXXX	Acute toxicity – oral – Category 2., – inhalations – Category 2., – dermal – Category 1., Specific target organ toxicity – repeated exposure – oral – Category 2., Short-term aquatic hazard – Category 1., Long-term aquatic hazard – Category 1. 	H300, H330, H310, H373, H400, H410, EUH032	< 0,1 %
7647-01-0 231-595-7	<i>Hydrochlo ric acid</i>	01-2119484862- 27-xxxx	Corrosive to metals – Category 1., Skin corrosion – Category 1B, Serious eye damage – Category 1., Specific target organ toxicity – single exposure – Category 3. 	H290, H314, H318, H335	< 0,1 %

For the full text of the H-Statements see Section 16.

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures required.

Inhalation: The person should be taken to fresh air! If not breathing, give artificial respiration!

Skin contact: Wash off with soap and plenty of water!

Eye contact: Immediately flush eyes with plenty of water!

Ingestion: Rinse mouth! See a doctor! Never give anything by mouth to an unconscious person!

4.2. Most important symptoms and effects, both acute and delayed

Known symptoms and effects are listed in Section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: CO₂, extinguishing powder or water jet.

Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

Fire may liberate hazardous gases and vapors: nitrous gases, nitrogen oxides.

5.3. Advice for firefighters

Special protective equipment for firefighters: No information available.

Specific risks: No information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For more information on personal protection see Section 8.

Ignition sources must be stored away.

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

6.2. Environmental precautions

Do not allow it to enter surface waters or soil.

The product should only be opened at the place of work before starting work.

The integrity of the packaging must be verified before and after the use of the product.

6.3. Methods and material for containment and cleaning up

Spilled product should be soaked up with adsorbent materials. Contaminated adsorbent should be disposed of in accordance with current local regulations. The affected area should be cleaned of water from the residue.

Spilled product should be localized with absorbent pad or absorbent material.

In case of contact with soil or contaminated media, contaminated soil / media should be treated as waste.

6.4. Reference to other sections

For additional exposure data see Sections 8. and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adequate exhaust ventilation must be provided for machinery.

Emergency shower and eyewash must be available.

Spills should be avoided during handling.

Do not eat, drink or smoke during use.

Further necessary precautions are given in Section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Store between 2 °C to 8 °C away from direct sunlight.

7.3. Specific end use(s)

The advice listed in Section 7. shall be considered for the relevant identified use(s) listed in Section 1.

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK
SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Components with limit values at the workplace:

CAS	Name	Value	Control parameter
26628-22-8	Sodium-azide	<i>LTEL</i>	0,1 mg/m ³
		<i>STEL</i>	0,3 mg/m ³
7647-01-0	Hydrochloric acid	<i>LTEL</i>	8 mg/m ³
		<i>STEL</i>	16 mg/m ³

8.2. Exposure controls
Personal protective equipment:

- **Breathing equipment:** in a well-ventilated room is not necessary.
- **Hand protection:** chemical resistant gloves (EN 374)
- **Eye protection:** chemical resistant goggles (EN 166)
- **Thermal hazards:** Heat-resistant protective gloves are recommended if a hot or cold surface is present at the workplace.

General safety and hygiene measures:

Handle it in accordance with good industrial hygiene and safety practice.
 Wear enclosed work-clothes in addition to the personal protective equipment provided.

Environmental exposure controls:

Follow storage and handling regulations.
 Store and use the product in a place where it cannot enter drains, watercourses or soil.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

- a) **Physical state:** Liquid
- b) **Colour:** Diaphanous
- c) **Odour:** Odourless
- d) **Melting point / freezing point:** No data available
- e) **Boiling point or initial boiling point and boiling range:** No data available
- f) **Flammability:** Not flammable

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

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|--|-------------------|
| g) Lower and upper explosion limit: | Not applicable |
| h) Flash point: | Not applicable |
| i) Auto-ignition temperature: | Not applicable |
| j) Decomposition temperature: | No data available |
| k) pH: | ~7,0 |
| l) Kinematic viscosity: | No data available |
| m) Solubility: | No data available |
| n) Partition coefficient n-octanol/water (log value): | Not applicable |
| o) Vapour pressure | No data available |
| p) Density and / or relative density | No data available |
| q) Relative vapour density | No data available |
| r) Particle characteristics | No data available |

9.2. Other information

No data available

9.2.1. Information with regard to physical hazard classes

No data available

9.2.2. Other safety characteristics

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

There is no dangerous reaction if it is stored and handled according to regulations/instructions.

10.2. Chemical stability

Storage stability: No decomposition if stored at 2-8 ° C.

10.3. Possibility of hazardous reactions

No data available

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK**10.4. Conditions to avoid**

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In case of fire, see Section 5.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

No data are available on the health effects of the mixture. The data given below relates to the effects of the substances listed in Section 3.

a) acute toxicity:

Name	Endpoint	Value	Species tested
Imidazole	LD50	970 mg/kg	rat
Sodium-azide	LD50	27 mg/kg	rat
Hydrochloric acid	-	-	-

b) skin corrosion/irritation:

Imidazole: Corrosive after 1-4 hours of exposure.

Sodium-azide: No information available

Hydrochloric acid: Causes severe skin burns.

c) serious eye damage/irritation:

Imidazole: Causes serious eye damage.

Sodium-azide: No information available

Hydrochloric acid: Causes serious eye damage.

d) respiratory or skin sensitization: Not known**e) germ cell mutagenicity: Not known**

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

f) carcinogenicity: Not known

g) reproductive toxicity:

Imidazole: May damage the unborn child.

Sodium-azide: Not known

Hydrochloric acid: Not known

h) STOT-single exposure:

Imidazole: Not known

Sodium-azide: Not known

Hydrochloric acid: May cause respiratory irritation.

i) STOT-repeated exposure:

Imidazole: Not known

Sodium-azide: Causes damage to brain through prolonged or repeated exposure.

Hydrochloric acid: Not known

j) aspiration hazard: Not known

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product: It must be disposed of in accordance with local regulations.

Contaminated packaging: It must be disposed of in accordance with local regulations.

SECTION 14: Transport information

14.1. UN number or ID number

ADR: - RID: - IMDG: - IATA: - ADN: -

14.2. UN proper shipping name

ADR: -

RID: -

IMDG: -

IATA: -

ADN: -

14.3. Transport hazard class(es)

ADR: - RID: - IMDG: - IATA: - ADN: -

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

Label: -

14.4. Packing group

ADR: - RID: - IMDG: - IATA: - ADN: -

14.5. Environmental hazards

ADR: - RID: - IMDG: - IATA: - ADN: -

14.6. Special precautions for user

No data available

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

This safety data sheet complies with the requirements of EU Regulation 1907/2006 (REACH).

Product covered by the IVD Regulation.

Limit values for hypochloric acid SEVESO:

- lower threshold: 25 t

- upper threshold: 250 t

Product does not contain a POP (Persistent Organic Pollutants) substance component.

Product does not contain a component in the PIC regulation.

15.2. Chemical safety assessment

No chemical safety report has been made for the mixture.

SECTION 16: Other information

The information contained in this documentation is correct and accurate to the best of our knowledge, but we make no warranties with respect to our suggestions and recommendations as the conditions of use are beyond our control.

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

If you find an error in the form despite our best efforts, please alert us immediately.

The information provided is based on our present knowledge. They contain safety data and information about the material and do not guarantee the properties of the product

The following sections of the safety data sheet have been amended:

The format of the complete safety data sheet has been modified in accordance with the Regulation (EC) No. 1907/2006.

Abbreviations:

- PBT: persistent, bioaccumulative, toxic chemical materials
- vPvB: very persistent and very bioaccumulative chemical materials
- CAS: Chemical Abstracts Service registration number of the chemical material
- EC: European Registration number of the chemical material
- H- and P-statements: hazard- and precautionary statements
- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: The Regulation concerning the International Carriage of Dangerous Goods by Rail
- ADN: The Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: The International Maritime Dangerous Goods
- IATA: International Air Transport Association
- IMO: International Maritime Organization

Hazard statements:

H290: May be corrosive to metals.

H300: Fatal if swallowed.

H302: Harmful if swallowed.

H310: Fatal in contact with skin.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H330: Fatal if inhaled.

H335: May cause respiratory irritation.

H360D: May damage the unborn child.

H373: May cause damage to organs if swallowed through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK

H410: Very toxic to aquatic life with long lasting effects.

EUH032: Contact with acids liberates very toxic gas.

The information evaluation method referred to in Article 9 (4) of Regulation (EC) No 1272/2008 has been used to classify the mixture.