

**Safety data sheet**
according to 1907/2006/EC, Article 31

Printing date 15.02.2021

Version number 6

Revision: 15.02.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: 1-Ethyl-3-methylimidazolium trifluoromethanesulfonate 99,5%****Article number:** IM0205B**CAS Number:**

145022-44-2

EC number:

680-002-1

1.2 Relevant identified uses of the substance or mixture and uses advised against No other important information available.**Application of the substance / the mixture** This product is intended for the exclusive use of Research and Development**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Solvionic SA

195 route d'Espagne

31036 TOULOUSE

FRANCE

Phone number: +33 (0)5.34.63.35.35

Further information obtainable from: HSE Department**1.4 Emergency telephone number:**

ORFILA (INRS): +33 (0)1.45.42.59.59

CCHST: 1-800-668-4284 (Canada & U.S.A)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008** The substance is not classified, according to the CLP regulation.**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.1 Chemical characterisation: Substances****- CAS No. / Description**

145022-44-2 1-Ethyl-3-methylimidazolium trifluoromethanesulfonate

- Identification number(s)**EC number:** 680-002-1**Molecular formula:** C7 H11 F3 N2 O3 S**Molar mass:** 260,24 g/mol**SECTION 4: First aid measures****4.1 Description of first aid measures****- General information:**

Immediately remove any clothing soiled by the product.

No special measures required.

. **After inhalation:** Supply fresh air; consult doctor in case of complaints.. **After skin contact:** Generally the product does not irritate the skin.. **After eye contact:** Rinse opened eye for several minutes under running water.. **After swallowing:** Call for a doctor immediately.**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

. **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

. **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use individual protective gear.

6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* **SECTION 7: Handling and storage**

7.1 Precautions for safe handling No special measures required.

. **Information about fire - and explosion protection:** No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

. **Storage:**

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

* **SECTION 8: Exposure controls/personal protection**

8.1 Control parameters

Additional information about design of technical facilities: No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:** Not required.

. **Additional information:** The lists valid during the making were used as basis.

8.2 Exposure controls

- **Personal protective equipment:**

. **General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.

. **Respiratory protection:** Not required.

. **Protection of hands:**

Neoprene gloves

To minimise the wetness in the glove due to perspiration changing of gloves during a shift is required.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Neoprene gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

. **Eye protection:** Goggles recommended during refilling

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****- General Information****. Appearance:**

. Form:	Fluid
. Color:	Colorless to yellow
. Odor:	Not determined.
. Odor threshold:	Not determined.

- pH-value: Not determined.**- Conductivity**

. at 20°C:	7,72 mS/cm
. at 25°C:	9,15 mS/cm

- Change in condition

. Melting point/freezing point:	-10 °C
. Initial boiling point and boiling range:	Undetermined.
. Flash point:	204 °C
. Flammability (solid, gas):	Not applicable.
. Ignition temperature:	480 °C
. Decomposition temperature:	Not determined.
. Auto-ignition temperature:	Not determined.
. Explosive properties:	Product does not present an explosion hazard.
. Explosion limits:	
. Lower:	Not determined.
. Upper:	Not determined.
. Vapour pressure:	Not determined.

. Density at 20 °C:	1,38 g/cm ³
. Relative density	Not determined.
. Vapour density	Not determined.
. Evaporation rate	Not determined.

- Solubility in / Miscibility with

. water:	Fully miscible.
. Partition coefficient: n-octanol/water:	-2,50031
. Viscosity:	
. Dynamic:	Not determined.
. Kinematic:	Not determined.

9.2 Other information No further relevant information available.**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** Strong oxidizer and strong base.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.

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LD/LC50 values relevant for classification:

Oral	LD50	>2000 mg/kg (rat)
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- Primary irritant effect:

- . **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- . **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Additional toxicological information:

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- . **Carcinogenicity** Based on available data, the classification criteria are not met.
- . **Reproductive toxicity** Based on available data, the classification criteria are not met.

- Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

- Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

- . **Recommendation:** Disposal must be made according to official regulations.
- . **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number

ADR/RID/ADN, ADN, IMDG, IATA	not regulated
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14.2 UN proper shipping name

ADR/RID/ADN, ADN, IMDG, IATA	not regulated
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14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA	not regulated
Class	

14.4 Packing group

ADR/RID/ADN, IMDG, IATA	not regulated
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14.5 Environmental hazards:

Not applicable.

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14.6 Special precautions for user Not applicable.**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.**UN "Model Regulation":** not regulated**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU**

Named dangerous substances - ANNEX I Substance is not listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

15.2 Chemical safety assessment:

For this product, no chemical safety assessment has been performed.

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

For research and development use only.

Department issuing SDS: Regulatory affairs department**Contact:**Mail: hse@solvionic.com

Phone number: +33 (0)5.34.63.35.35

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

* **Data compared to the previous version altered.**