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

1.1 Product identifier

**Trade name:** Sodium bis(fluorosulfonyl)imide 99.7%

**Article number:** M1133B

**CAS Number:** 100669-96-3

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

![GHS07](image)

Acute Tox. 4  H302  Harmful if swallowed.

STOT SE 3  H335  May cause respiratory irritation.

2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

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

**Hazard pictograms**

![GHS07](image)

**Signal word** Warning

**Hazard statements**

H302 Harmful if swallowed.

H335 May cause respiratory irritation.

**Precautionary statements**

P261  Avoid breathing dust/fume/gas/mist/vapours/spray.

P301+P312  IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P304+P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403+P233  Store in a well-ventilated place. Keep container tightly closed.

P405  Store locked up.

P501  Dispose of contents/container in accordance with local/regional/national/international regulations.

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**

  100669-96-3 Sodium bis(fluorosulfonyl)imide

- **Molecular formula:** Na F2 N O4 S2

(Contd. on page 2)
SECTION 4: First aid measures

4.1 Description of first aid measures

- General information:
  Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

  . 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.

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

6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation.

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 precautions are necessary if used correctly.

  . 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: Keep container tightly sealed.

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

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

  . 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:
      Keep away from foodstuffs, beverages and feed.
      Wash hands before breaks and at the end of work.
    . Respiratory protection:
      In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Trade name: Sodium bis(fluorosulfonyl)imide 99,7%

- Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- 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.
- 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: Not required.
- Body protection: Use protective suit.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
- General Information
  - Form: Crystalline powder
  - Colour: White
  - Odour: Not determined.
  - Odour threshold: Not determined.
- pH-value: Not applicable.
- Change in condition
  - Melting point/freezing point: 109 °C
  - Initial boiling point and boiling range: Undetermined.
- Flash point: Not applicable.
- Flammability (solid, gas): Product is not flammable.
- 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 applicable.
- Density: Not determined.
- Relative density: Not determined.
- Vapour density: Not applicable.
- Evaporation rate: Not applicable.
- Solubility in / Miscibility with
  - water: Not determined.
  - Partition coefficient: n-octanol/water: Not determined.
  - Dynamic:
    - Viscosity: Not applicable.
    - Kinematic: Not applicable.

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
Harmful if swallowed.
- 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.
- 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
May cause respiratory irritation.
- 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 Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue
| HP 5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity |
| HP 6 | Acute Toxicity |

Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
ADR/RID/ADN, ADN, IMDG, IATA not regulated

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

14.3 Transport hazard class(es)
ADR/RID/ADN, ADN, IMDG, IATA Class not regulated
Trade name: Sodium bis(fluorosulfonyl)imide 99.7%

14.4 Packing group
ADR/RID/ADN, IMDG, IATA
not regulated

14.5 Environmental hazards:
Not applicable.

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.

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: Environmental Protection Service
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 Labeling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3