1. Identification of the substance/mixture and of the company/undertaking
   Product identifier:
   Product name: BMI-TFSI
   SDS No.: 1201E-1
   Details of the supplier of the safety data sheet
   Manufacturer/Supplier: KISHIDA CHEMICAL CO., LTD.
   Address: 3-1, Honmachibashi, Chuo-ku,Osaka, JAPAN
   Division: Safety Management Dept. of Chemicals
   Telephone number: +81-6-6946-8061
   FAX: +81-6-6946-1607
   e-mail address: kagakuhinanzenkanri@kishida.co.jp

2. Hazards identification
   GHS classification and label elements of the product
   Classification of the substance or mixture
   (Note) GHS classification without description: Not classified/Classification not possible
   Label elements
   No GHS label element
   No Signal word

3. Composition/information on ingredients
   Mixture/Substance selection:
   Substance
   Ingredient name: 1-Butyl-3-methyl imidazolium bis(trifluoromethanesulfonylimide
   Content (%): -
   Chemical formula: C10H15F6N3O4S2
   CAS No.: 174899-83-3
   MW: 419.37

4. First-aid measures
   Descriptions of first-aid measures
   IF INHALED
   Remove person to fresh air and keep comfortable for breathing.
   Call a POISON CENTER or doctor/physician if you feel unwell.
   IF ON SKIN (or hair)
   Take off immediately all contaminated clothing. Rinse skin with water/shower.
   If skin irritation or rash occurs: Get medical advice/attention.
   IF IN EYES
   Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
   If eye irritation persists: Get medical advice/attention.
   IF SWALLOWED
   Rinse mouth.
   Call a POISON CENTER or doctor/physician if you feel unwell.
5. Fire-fighting measures
Extinguishing media
   Suitable extinguishing media
   Use appropriate extinguishing media suitable for surrounding facilities.
   Unsuitable extinguishing media data is not available.
Specific hazards arising from the substance or mixture
   Containers may explode when heated.
   Fire may produce irritating, corrosive and/or toxic gases.
Advice for firefighters
   Specific fire-fighting measures
   Evacuate non-essential personnel to safe area.
   Special protective equipment and precautions for fire-fighters
   Wear fire/flame resistant/retardant clothing.
   Wear protective gloves/protective clothing/eye protection/face protection.
   Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

6. Accidental release measures
Personnel precautions, protective equipment and emergency procedures
   Ventilate area until material pick up is complete.
   Wear proper protective equipment.
Environmental precautions
   Prevent spills from entering sewers, watercourses or low areas.
Methods and materials for containment and cleaning up
   Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.
Preventive measures for secondary accident
   Collect spillage.

7. Handling and storage
Precautions for safe handling
   Preventive measures
   (Protective measures against fire and explosion)
   Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
   (Exhaust/ventilator)
   Exhaust/ventilator should be available.
   (Safety treatments)
   Avoid contact with skin.
   Avoid contact with eyes.
Safety Measures
   Wear protective gloves, protective clothing or face protection.
   When using do not eat, drink or smoke.
Any incompatibilities
   See "10. Stability and Reactivity"
Storage
   Conditions for safe storage
   Keep container tightly closed.
   Store in a cool, dry place. Do not store in direct sunlight.
   Container and packaging materials for safe handling
   Glass
   Stainless steel
8. Exposure controls/personal protection

Control parameters

Exposure controls

Appropriate engineering controls
- Do not use in areas without adequate ventilation.
- Eye wash station should be available.
- Washing facilities should be available.

Individual protection measures

Respiratory protection
- Wear respiratory protection.

Hand protection
- Wear protective gloves.

Eye protection
- Wear eye/face protection.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid
Color: Colorless to pale yellow
Odor: Odourless
pH data is not available.
Boiling point or initial boiling point data is not available.
Boiling range data is not available.
Melting point/Freezing point data is not available.
Decomposition temperature data is not available.
Flammability (gases, liquids and solids) data is not available.
Flash point data is not available.
Auto-ignition temperature data is not available.
Lower and upper explosion limit/flammability limit data is not available.
Vapor pressure data is not available.
Relative vapor density (Air=1) data is not available.
Density and/or relative density data is not available.
Kinematic viscosity data is not available.
Solubility:
- Solubility in water data is not available.
n-Octanol/water partition coefficient data is not available.
No Particle characteristics data is not available.

10. Stability and Reactivity

Reactivity
- Not available.

Chemical stability
- Stable under normal storage/handling conditions.

Possibility of hazardous reactions
- Not available.

Conditions to avoid
- Contact with incompatible materials.
- Contact with fire source.

Incompatible materials
- Bases, Strong oxidizing agents

Hazardous decomposition products
11. Toxicological Information
   Information on toxicological effects
   Acute toxicity data is not available.
   Irritant properties
   Skin corrosion/irritation data is not available.
   Serious eye damage/irritation data is not available.
   Allergic sensitizing effects data is not available.
   Mutagenic effects data is not available.
   Carcinogenic effects data is not available.
   Reproductive toxicity data is not available.
   STOT
   STOT—single exposure data is not available.
   STOT—repeated exposure data is not available.
   Aspiration hazard data is not available.

12. Ecological Information
   Ecotoxicity
   Ecotoxicity data is not available.
   Persistence and degradability
   Persistence and degradability data is not available.
   Bioaccumulative potential
   Bioaccumulative potential data is not available.
   Mobility in soil
   Mobility in soil data is not available.
   Other adverse effects
   Ozone depleting chemical data is not available.

13. Disposal considerations
   Description of waste residues and information on their safe handling and methods of disposal,
   including the disposal of any contaminated packaging
   Waste treatment methods
   Dispose of contents/container in accordance with local/national regulation.

14. Transport Information
   Not applicable to UN No., UN CLASS
   Not applicable to IMDG Code
   Not applicable to IATA Dangerous Goods Regulations
   Environmental hazards
   MARPOL Annex III – Prevention of pollution by harmful substances
   Marine pollutants (yes/no) : no
15. Regulatory Information

Other regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. Other information

The product is not applicable to GHS classifications.

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (6th ed., 2015), UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN
IMDG Code, 2018 Edition (Incorporating Amendment 39–18)
IATA Dangerous Goods Regulations (61th Edition) 2020
Classification, labelling and packaging of substances and mixtures (Table 3 ECNO6182012)
2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2019 TLVs and BEIs. (ACGIH)
http://monographs.iarc.fr/ENG/Classification/index.php
Supplier’s data/information

General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products’ properties.

The GHS classification data given here is based on current Japan official data (NITE published in 2018).