SAFETY DATA SHEET

According to JIS Z 7253:2019
Revision Date 15-Oct-2020
Version 2.02

Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>052-07601,058-07603</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>FUJIFILM Wako Pure Chemical Corporation</td>
</tr>
<tr>
<td></td>
<td>1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan</td>
</tr>
<tr>
<td></td>
<td>Phone: +81-6-6203-3741</td>
</tr>
<tr>
<td></td>
<td>Fax: +81-6-6203-5964</td>
</tr>
<tr>
<td>Supplier</td>
<td>FUJIFILM Wako Pure Chemical Corporation</td>
</tr>
<tr>
<td></td>
<td>1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan</td>
</tr>
<tr>
<td></td>
<td>Phone: +81-6-6203-3741</td>
</tr>
<tr>
<td></td>
<td>Fax: +81-6-6203-2029</td>
</tr>
<tr>
<td>Emergency telephone number</td>
<td>+81-6-6203-3741 / +81-3-3270-8571</td>
</tr>
<tr>
<td>Recommended uses and restrictions on use</td>
<td>For research purposes</td>
</tr>
</tbody>
</table>

Section 2: HAZARDS IDENTIFICATION

GHS classification

Classification of the substance or mixture
Serious eye damage/eye irritation  Category 2B

Pictograms
Signal word  Warning

Hazard statements
H320 - Causes eye irritation

Precautionary statements-(Prevention)
• Wash face, hands and any exposed skin thoroughly after handling

Precautionary statements-(Response)
• 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.

Precautionary statements-(Storage)
• Not applicable

Precautionary statements-(Disposal)
• Not applicable

Others
Other hazards  Not available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture  Substance

Formula  C6H11N2·C2F6NO4S2

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight-%</th>
<th>Molecular weight</th>
<th>ENCS</th>
<th>ISHL No.</th>
<th>CAS RN</th>
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</thead>
</table>

W01W0105-0760 JGHEEN  1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
Section 4: FIRST AID MEASURES

Inhalation
Remove to fresh air. If symptoms persist, call a physician.

Skin contact
Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

Ingestion
Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

Protection of first-aiders
Use personal protective equipment as required.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media
- Water spray (fog), Carbon dioxide (CO2), Foam, Extinguishing powder, Sand

Unsuitable extinguishing media
No information available

Specific hazards arising from the chemical product
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Special extinguishing method
No information available

Special protective actions for fire-fighters
Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

Environmental precautions
To be careful not discharged to the environment without being properly handled waste water contaminated.

Methods and materials for contaminant and methods and materials for cleaning up
Absorb dry sand, earth, sawdust and the waste. Collect empty container that can be sealed.

Recovery, neutralization
No information available

Secondary disaster prevention measures
Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: HANDLING AND STORAGE

Handling
Technical measures
Highly flammable. Avoid contact with high temperature objects, spark, and strong oxidizing agents. Use with local exhaust ventilation.

Precautions
Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

Safety handling precautions
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Storage
Safe storage conditions
Storage conditions
Keep container protect from light, store in well-ventilated place at room temperature (preferably cool). Keep container tightly closed. Packed with an inert gas.
Safe packaging material
Glass
Incompatible substances
Strong oxidizing agents

Section 8: EXPOSURE CONTROLS/PERSO Personal PROTECTION

Engineering controls
In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

Exposure limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Personal protective equipment
Respiratory protection
Protective mask
Hand protection
Protective gloves
Eye protection
protective eyeglasses or chemical safety goggles
Skin and body protection
Long-sleeved work clothes

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form
Color
Colorless - pale yellow
Turbidity
clear
Appearance
liquid
Odor
No data available
Melting point/freezing point
>-15 °C
Boiling point, initial boiling point and boiling range
No data available
Flammability
No data available
Evaporation rate:
No data available
Flammability (solid, gas):
No data available
Upper/lower flammability or explosive limits
Upper :
No data available
Lower :
No data available
Flash point
No data available
Auto-ignition temperature:
No data available
Decomposition temperature:
No data available
pH
No data available
Viscosity (coefficient of viscosity)
No data available
Dynamic viscosity
No data available
Solubilities
Ethanol , acetone : soluble . water : practically insoluble, or insoluble .
n-Octanol/water partition coefficient:(log Pow)
No data available
Vapour pressure
No data available
Section 10: STABILITY AND REACTIVITY

Stability

Reactivity

Chemical stability

No data available

May be altered by light.

Hazardous reactions

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight, Heat, flames and sparks, static electricity, spark

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Sulfur oxides (SOx), Halides

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

Skin irritation/corrosion

No data available

Serious eye damage/ irritation

No data available

Respiratory or skin sensitization

No data available

Reproductive cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Other data

No data available

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Hazard to the ozone layer

No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORT INFORMATION
<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>Not regulated</th>
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<tbody>
<tr>
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<tr>
<td>Proper shipping name:</td>
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<tr>
<td>UN classification</td>
<td></td>
</tr>
<tr>
<td>Subsidiary hazard class</td>
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</tr>
<tr>
<td>Packing group</td>
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<tr>
<td>Marine pollutant</td>
<td>Not applicable</td>
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<tr>
<td>IMDG</td>
<td>Not regulated</td>
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<tr>
<td>UN number</td>
<td>-</td>
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<tr>
<td>Proper shipping name:</td>
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<td>UN classification</td>
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</tr>
<tr>
<td>Subsidiary hazard class</td>
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</tr>
<tr>
<td>Packing group</td>
<td></td>
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<tr>
<td>Marine pollutant (Sea)</td>
<td>Not applicable</td>
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<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
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<td>IATA</td>
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<td>Packing group</td>
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<tr>
<td>Environmentally Hazardous Substance</td>
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**Section 15: REGULATORY INFORMATION**

<table>
<thead>
<tr>
<th>International Inventories</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS/ELINCS</td>
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<tr>
<td>TSCA</td>
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<table>
<thead>
<tr>
<th>Japanese regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Service Act</td>
</tr>
<tr>
<td>Poisonous and Deleterious Substances Control Law</td>
</tr>
<tr>
<td>Industrial Safety and Health Act</td>
</tr>
<tr>
<td>Regulations for the carriage and storage of dangerous goods in ship</td>
</tr>
<tr>
<td>Civil Aeronautics Law</td>
</tr>
<tr>
<td>Pollutant Release and Transfer Register Law</td>
</tr>
<tr>
<td>Export Trade Control Order</td>
</tr>
</tbody>
</table>

**Section 16: OTHER INFORMATION**

Key literature references and sources for data etc.

- NITE: National Institute of Technology and Evaluation (JAPAN)
- IATA dangerous Goods Regulations
- RTECS: Registry of Toxic Effects of Chemical Substances
- Japan Industrial Safety and Health Association GHS Model SDS
- Chemical Dictionary, Kyouritsu Publishing Co., Ltd.
- etc

Disclaimer

This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material.
designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
GHS Classification is according to JIS Z7252(2019). *JIS: Japanese Industrial Standards

End of Safety Data Sheet