SECTION 1: Identification

1.1. Product identifiers

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Kumi3F10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance name</td>
<td>3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole</td>
</tr>
<tr>
<td>Trademark</td>
<td>Fluora</td>
</tr>
<tr>
<td>CAS No</td>
<td>887144-97-0</td>
</tr>
<tr>
<td>Formula</td>
<td>C10H10F3I0</td>
</tr>
<tr>
<td>Reach No.</td>
<td>Exempted from registration</td>
</tr>
</tbody>
</table>

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

Identified Uses:
- Laboratory chemicals
- Manufacture of substances
- Scientific research and development

1.3. Details of the supplier of the safety data sheet

Kumidas SA
Avenue Louise 279, 1050, Brussels, Belgium
T:+32(0) 2 699 82 36  F: +32(0) 2 699 82 40
E: info@kumidas.com  W: www.kumidas.com

1.4. Emergency telephone number

Emergency Phone#  +32(0)484 58 71 75

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
- Flammable solids (Category 2), H228
- Skin irritation (Category 2), H315
- Eye irritation (Category 2), H319
- Specific target organ toxicity-single exposure (Category 3), Respiratory system, H335

Full text of H-statements: see section 16

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms

<table>
<thead>
<tr>
<th>Signal word</th>
<th>Warning</th>
</tr>
</thead>
</table>

Hazard statements

- H228 - Flammable solid.
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation

Precautionary statements

- P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 – Avoid breathing dust.
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

- None

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.
3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole
Safety Data Sheet
According to Regulation (EC) No. 453/2010

SECTION 3: Composition/information on ingredients

3.1. Substances
Substance type: Mono-constituent
Formula: C20H10F3I0
Molecular weight: 330.09 g/mol

Hazardous ingredients according to Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Component</th>
<th>Product identifier</th>
<th>Concentration</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole (Main constituent)</td>
<td>(CAS No.) 887144-97-0</td>
<td>≤ 100%</td>
<td>Flam. Sol. 2, H228 Skin Irrit. 2, H315 Eye Irrit. 2A, H339 STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

3.2. Mixture
Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general advice: In case of accident or if you feel unwell, seek medical advice immediately (show this SDS to the doctor in attendance). Move the affected personnel away from the contaminated area.

First-aid measures if inhaled: Move person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Consult a physician.

First-aid measures in case of skin contact: Wash off with soap and plenty of water. Consult a physician.

First-aid measures in case of eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.

First-aid measures if swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters
Firefighting instructions: In case of fire: Evacuate area.
Protection during firefighting: Wear gas tight chemically protective clothing in combination with self-contained breathing apparatus. For further information refer to section 8: “Exposure controls/personal protection”.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.

6.1.1. For non-emergency personnel
Emergency procedures: Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

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6.2. Environmental precautions
Avoid release to the environment. Notify authorities if product enters drains or public waters.

6.3. Methods and material for containment and cleaning up
For containment: Stop leak if safe to do so.
Methods for cleaning up: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other information: For disposal of solid materials or residues refer to section 13: "Disposal considerations".

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Comply with applicable regulations.
Storage conditions: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture and Heat sensitive. Handle and Store under nitrogen(recommended).
Incompatible materials: Refer to Section 10 on Incompatible Materials.
Storage area: Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Contains no substances with occupational exposure limit value.

8.2. Exposure controls
Appropriate engineering controls: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection: Handle with gloves. The selected protective gloves should satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Wash hands before breaks and at the end of workday.
Eye/face protection: Safety glasses with side-shields conforming to EN166 use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin and body protection: Wear suitable protective clothing or use other protective equipment. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection: For nuisance exposures use type P95 (US) or type P3 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards, such as NIOSH (US) or CEN (EU).
Control of environmental exposure: Don’t let product enter drains.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
Appearance: Solid
Color: White to Beige
Odor: No data available
Odor threshold: No data available
pH: No data available
Melting point: 75-79°C
Freezing point: No data available
3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole
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Initial boiling point and boiling range: No data available
Flash point: No data available
Evaporation rate: No data available
Flammability (solid, gas): The substance or mixture is a flammable solid with the category 2.
Explosion limits: No data available
Explosive properties: No data available
Oxidizing properties: No data available
Vapor pressure: No data available
Relative density: No data available
Relative vapor density at 20 °C: No data available
Molecular Weight: 330.09 g/mol
Solubility: No data available
Log Pow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: 130 °C
Viscosity: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available

9.2. Other safety information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
The product is stable at normal handling and recommended storage conditions.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
Keep away from heat, sparks and flame.

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: No data available
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: No data available
Germ cell mutagenicity: No data available
Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: No data available
Specific target organ toxicity (single exposure): May cause respiratory irritation.
Specific target organ toxicity (repeated exposure): No data available
Aspiration hazard: No data available
3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole

Safety Data Sheet

According to Regulation (EC) No. 453/2010

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Products:
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and a flue gas scrubber.

Waste disposal recommendations:
Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Additional information:
Recycle the material as far as possible.

SECTION 14: Transport information

14.1. UN number
ADR/RID: 1325  IMDG: 1325  IATA: 1325

14.2. UN proper shipping name
ADR/RID: FLAMMABLE SOLID, ORGANIC, N.O.S. (3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole)
IMDG: FLAMMABLE SOLID, ORGANIC, N.O.S. (3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole)
IATA: Flammable solid, organic, n.o.s. (3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole)

Special Provisions: "Keep away from heat" label required.

14.3. Transport hazard class (es)
ADR/RID: 4.1  IMDG: 4.1  IATA: 4.1

14.4. Packaging group
ADR/RID: III  IMDG: III  IATA: III

14.5. Environmental hazards
ADR/RID: no  IMDG: Marine pollutant: no  IATA: no

14.6. Special precautions for user
No data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

15.2. Chemical safety assessment
For this product, a chemical safety assessment was not carried out.

SECTION 16: Other information

16.1. Full text of H-statements referred to under sections 2 and 3.

| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT SE 3  | Specific target organ toxicity (single exposure) Category 3 |
| H228     | Flammable solid. |
| H315     | Causes skin irritation |
| H319     | Causes serious eye irritation |
| H335     | May cause respiratory irritation |
3,3-Dimethyl-1-(trifluoromethyl)-1,2-benziodoxole
Safety Data Sheet
According to Regulation (EC) No. 453/2010

16.2. Further information
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It, therefore, does not represent any guarantee of the properties of the product. Kumidas shall not be held liable or any damage resulting from handling or from contact with the above product.