

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/07/2001

Reviewed on 06/07/2001

1 Identification of substance:

- **Product details:**

- **Product name:** 7-Benzoyloxy-4-(trifluoromethyl)-coumarin

- **Catalog number:** B730, 451730

- **Manufacturer/Supplier:**

BD GENTEST
6 Henshaw Street
Woburn, MA 01801
Tel: (800)334-5229

- **Information department:** Technical Services

- **Emergency information:**

In case of a chemical emergency, spill, fire, exposure, or accident contact BD GENTEST at (800)334-5229, or ChemTrec at (800)424-9300.

2 Composition/Data on components:

- **Chemical characterization:**

- **CAS No. Description:**

7-Benzoyloxy-4-(trifluoromethyl)-coumarin

- **Chemical characterization**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

7-Benzoyloxy-4-(trifluoromethyl)-coumarin (C17H11F3O3)	100.0%
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3 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

- **NFPA ratings (scale 0-4)**



Health = 2

Fire = 0

Reactivity = 0

4 First aid measures

- **General information**

Symptoms of poisoning may even occur after several hours; therefore provide medical observation for at least 48 hours after the accident.

- **After inhalation** In case of unconsciousness place patient on side position for transportation.

- **After skin contact** Immediately wash with water and soap and rinse thoroughly.

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- **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.
- **After swallowing** Immediately call a doctor.
- **Information for doctor** Show this label

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water or alcohol resistant foam.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Clean the affected area carefully; suitable cleaners are:
warm water and cleansing agent
- **Additional information:**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 15 - 30 C
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Storage class**
- **Class according to regulation on flammable liquids:** Void

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.

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Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

· Protection of hands:



Chemical resistant gloves.

· Eye protection: Safety glasses

· Body protection: Protective work clothing (lab coat).

9 Physical and chemical properties:

- | | |
|-----------------|----------------|
| · Form: | Solid. |
| · Color: | White |
| · Odor: | Characteristic |

· Change in condition

Melting point/Melting range: Not determined
103.5 - 104.5 C

Boiling point/Boiling range: Not determined

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** Product is not flammable.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure:** Not applicable

· **Density:** Not determined

· Solubility in / Miscibility with

Water: Soluble

· **pH-value:** Not applicable

· **Formula Weight** 320

· Solvent content:

Organic solvents: 0.0 %

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· **Materials to be avoided:** Incompatible material: strong oxidizers.

· **Dangerous reactions** No dangerous reactions known

· **Dangerous products of decomposition:** No dangerous decomposition products known

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11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful

12 Ecological information:

- **Ecotoxicological effects:**
- **Other information:**
The ecological effects have not been thoroughly investigated, but currently none have been identified.
- **General notes:** Not known to be hazardous to water.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must adhere to state and federal regulations.
Must not be disposed of with solid waste.
Disposal must be made according to the regulations found in 40 CFR 261.
This product is not considered a RCRA hazardous waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to state and federal regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

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15 Regulations

- **Product related hazard informations:**
The product has been classified and marked in accordance with regulations on hazardous materials.
- **Hazard symbols:**
Xn Harmful
- **Risk phrases:**
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- **Safety phrases:**
7 Keep container tightly closed.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36 Wear suitable protective clothing.
- **National regulations**
- **Additional classification according to Decree on Hazardous Materials:**
CERCLA: This product does not contain chemicals having a Reportable Quantity (RQ).
SARA 311/312: May be subject to reporting.
313: Not subject to reporting.
TSCA: This product is exempt under TSCA.
- **Classification according to VbF: Void**
- **Water hazard class: Generally not hazardous for water.**

16 Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Use of Product:

- synthetic chemical for research only
- analytical standard
- must be handled by suitably qualified personnel
- **Department issuing MSDS: Safety & Environment Department**
- **Contact: Technical Service Representative**

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