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Signal word: Warning

Hazard Statement(s):
H302: Harmful if swallowed.
H332: Harmful if inhaled.
H319: Causes serious eye irritation
H412: Harmful to aquatic life with long lasting effects

Precautionary statement(s)
P261: Avoid breathing dust.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment.

2.2.1. Labelling according to Regulation 67/548/EC

Hazard symbol(s):

Risk phrases:
R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin

Safety Phrases:
S22 Do not breathe dust.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S57 Use appropriate container to avoid environmental contamination.

2.3. Other hazards
No additional information

3. COMPOSITION/INFORMATION ON INGREDIENTS

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3.1. Substances

Chemical characterization: 1,2,3, Benzotriazole, min. 99 % C₆H₅N₃, with non hazardous additions

Composition/information on ingredients:
- EINECS nr : 202-394-1
- CAS nr : 95-14-7
- Index No. ----
- Acute tox. 4
- Eye irrit. 2
- Aquat. Chron. 3

4. FIRST AID MEASURES

4.1 Description of first aid measures

- General information: Harmful if swallowed. Harmful if inhaled. Causes serious eye irritation.
- After inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- After skin contact: Immediately flush skin with copious amounts of water.
- After eye contact: Immediately flush eyes with copious amounts of water for at least 15 minutes, keeping eyelids open.
- After swallowing: Drink plenty of water, provided person is conscious. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Harmful if swallowed. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms of poisoning may occur even after several hours. Therefore, medical observation is suggested for at least 48 hours after the accident.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, CO₂, extinguishing powder
Non-suited extinguishing media: Not known

5.2 Special hazards arising from the substance

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development of toxic and irritating decomposition products.

5.3 Advice for fire-fighters
Wear self contained breathing apparatus if necessary.

5.4 Further information
Product is combustible.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid causing dust. Ensure adequate ventilation.

6.2 Environmental precautions
Use appropriate container to avoid environmental contamination.

6.3 Methods and materials for containment and cleaning up
Pick up spilled product, keep in a closed container and hold for waste disposal.

6.4 Reference to other sections
For safe use: refer to section 7
For personal protection: refer to section 8.
For disposal: refer to section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid causing dust. Do not breathe dust.
Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities
Avoid raising dust. Ensure good ventilation at the workplace.
Dust can combine with air to form an explosive mixture.
Take precautionary measures against static discharges.
Keep away from food/feed stuffs.
Other information: For quality reasons; Store in a cool dry place.

7.3 Specific end uses
No additional information

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure limits for this substance are not known
(Chemical Safety Report NOT available)

8.2 Exposure controls

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10.3 Possibility of hazardous reactions
Do not mix with strong oxidants and metal powders.

10.4 Conditions to avoid
Avoid causing dust. May cause dust explosion

10.5 Incompatible materials
Do not mix with strong oxidants and metal powders.

10.6. Hazardous decomposition products
Upon fire, poisonous gasses like, CO, CO$_2$ and NO, may occur

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity :
- Oral, LD50, rat: 560 mg/kg
- Oral, LD50, mouse: 615 mg/kg
- Inhalation, LC50, rat: 1910 mg/m$^3$, 3 hours
- Dermal, LD 50, rat: > 1000 mg/kg

Acute effects: no information available
Chronicle effects: no information available
Other information: -

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity :
- Daphnia, Daphnia Magna : 48h-LC50 = 91 mg/l
- Fish : 96h-LC50 = 39 mg/l

12.2 Persistence and degradability
readily biodegradable (90% after 28 days)

12.3 Bio accumulative potential
No additional information

12.4 Mobility in soil
No additional information

12.5 Results of PBT and vPvB assessment
Not relevant
No data available.

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### 13. DISPOSAL CONSIDERATIONS

Product/packing: Observe all federal, state and local environmental regulations. See directives 75/442/EEC and 2006/12/EC.

### 14. TRANSPORT INFORMATION

Not classified as hazardous goods.

### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**State regulations**
Observe all federal, state and local regulations.

**Water hazard class:**
No additional information

**additional regulations and restrictions:**
REACH regulation

#### 15.2 Chemical Safety report

No additional information

### 16. OTHER INFORMATION

**relevant H & R Phrases**

- H302: Harmful if swallowed.
- H332: Harmful if inhaled.
- H319: Causes serious eye irritation.
- R22: Harmful if swallowed.
- R36/37/38: Irritating to eyes, respiratory system and skin

**Consulted literature:**

Version: Nr. 2.00 of 18.09.2012. (Replaces all preceding versions.)

Changes per section compared to last version: according to latest standard (GHS/CLP)

Name of composer and manager in charge: Mr. W. van Loon.

Printing date: 02-12-2014

**Used abbreviations**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization

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