Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 02/28/2006 Reviewed on 02/28/2006

1 Identification of substance:

· **Product name:** 6-Hydroxychlorzoxazone
5-Chloro-6-hydroxy-2(3H)-benzoxazolone
· **Catalog number:** 451036

· **Manufacturer/Supplier:**
BD Discovery Labware
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 Discovery Labware at 800.334.5229, or ChemTrec at 800.424.9300.

2 Composition/Data on components:

· **Chemical characterization:**
· **CAS No. Description:**
1750-45-4 6-Hydroxychlorzoxazone
5-Chloro-6-hydroxy-2(3H)-benzoxazolone

3 Hazards identification

· **Hazard description:**
This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.

Xi Irritant

· **Information pertaining to particular dangers for man and environment**
R 36/37/38 Irritating to eyes, respiratory system and skin.
· **NFPA ratings (scale 0-4)**

Health = 2
Fire = 0
Reactivity = 0

4 First aid measures

· **After inhalation** Supply fresh air or oxygen; and immediately call for a doctor.
· **After skin contact** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.
· **After swallowing**
If swallowed, rinse mouth with water (only if the person is conscious)
Immediately call a doctor.

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· **Information for doctor** Show the product label or this MSDS.

5 Fire fighting measures

· **Suitable extinguishing agents**
CO2, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

· **Person-related safety precautions:**
Avoid formation of dust.
Wear protective clothing.
Ensure adequate ventilation
· **Measures for environmental protection:** Wipe up with damp sponge or mop.
· **Measures for cleaning/collecting:** Dispose contaminated material as waste according to item 13.

7 Handling and storage

· **Handling**
· **Information for safe handling:**
Prevent formation of dust.
Keep receptacles tightly sealed.
· **Information about protection against explosions and fires:** Keep respiratory protective device available.

· **Storage**
· **Requirements to be met by storerooms and receptacles:** -20º C
· **Information about storage in one common storage facility:** Store away from oxidizing agents.
· **Further information about storage conditions:** Keep receptacle tightly sealed.

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:** Not required.
· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal Protective Equipment**
· **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
Store protective clothing separately.
Avoid contact with the eyes and skin.
· **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

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· **Protection of hands:**

Chemical resistant gloves (i.e. nitrile, or equivalent).

· **Eye protection:** *Safety glasses*
· **Body protection:** *Protective work clothing (lab coat).*

9 Physical and chemical properties:

· **General Information**	
Form:	*Solid.*
Color:	*Pink*
Odor:	*Unknown*
· **Change in condition**	*Undetermined*
· **Melting point/Melting range:**	*246-247°C (475-477°F)*
· **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:**	*Insoluble*
· **pH-value:**	*Not applicable*

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:**
Nitrogen oxides (NOx)
Carbon monoxide (CO) and carbon dioxide (CO2)
Hydrogen chloride (HCl)

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

Oral	LD50	2500 mg/kg (Mouse) 1300 mg/kg (Rat)

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:** Irritant

12 Ecological information:

· **Ecotoxical effects:**
· **Other information:**
The ecological effects have not been thoroughly investigated, but currently none have been identified.

13 Disposal considerations

· **Product:**
· **Recommendation**
Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipeed with an afterburner and scrubber.
Dispose of material in accordance with federal (40 CFR 261), state and local requirements.

· **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:** -
· **Proper shipping name:** None

· **Land transport ADR/RID (cross-border)**
· **ADR/RID class:** -

· **Maritime transport IMDG:**
· **IMDG Class:** -

· **Air transport ICAO-TI and IATA-DGR:**
· **ICAO/IATA Class:** -

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15 Regulations

· **SARA Section 355 (extremely hazardous substances)** Substance is not listed.
· **SARA Section 313 (specific toxic chemical listings)** Substance is not listed.
· **TSCA (Toxic Substances Control Act)** Substance is not listed.
· **California Proposition 65 - Chemicals known to cause cancer** Substance is not listed.
· **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.
· **Chemicals known to cause reproductive toxicity for males:** Substance is not listed.
· **Chemicals known to cause developmental toxicity:** Substance is not listed.

· **Carcinogenicity categories**
· **IARC (International Agency for Research on Cancer)** Substance is not listed.
· **NTP (National Toxicology Program)** Substance is not listed.
· **TLV (Threshold Limit Value established by ACGIH)** Substance is not listed.

· **Product related hazard information:** Observe the general safety regulations when handling chemicals

· **Hazard symbols:**
Xi Irritant

· **Risk phrases:**
36/37/38 Irritating to eyes, respiratory system and skin.

· **Safety phrases:**
22 Do not breathe dust.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
36 Wear suitable protective clothing.

16 Other information:

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Use of Product:
- synthetic chemical for research only
- analytical standard
- must be handled by suitably qualified personnel

· **Department issuing MSDS:** Safety and Environment Department
· **Contact:** Technical Service Representative