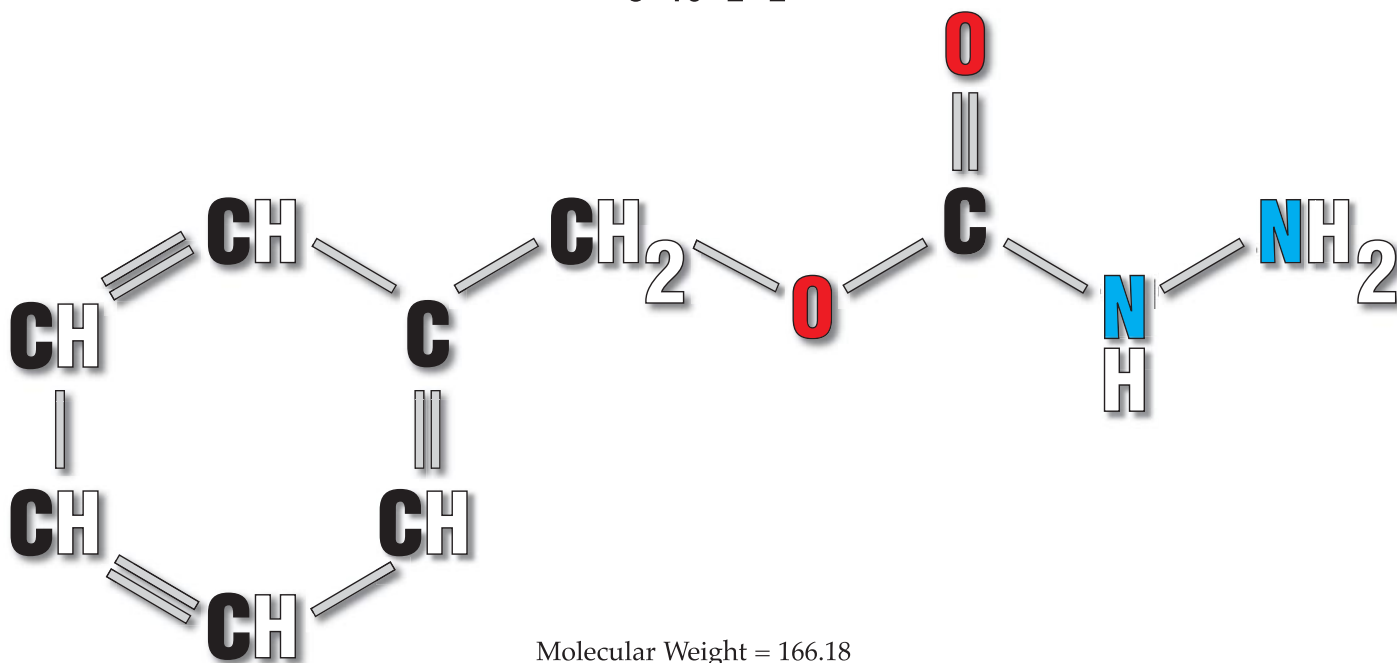


Benzyl Carbazate
 (HYDRAZINECARBOXYLIC ACID, PHENYLMETHYL ESTER)
 $C_8H_{10}N_2O_2$



Molecular Weight = 166.18
 CAS #5331-43-1

SPECIFICATIONS

Assay: 99 % min.
 Dibenzyl Hydrazadicarboxylate (dry wt. basis): 1% max.

PHYSICAL PROPERTIES

Appearance: White crystalline solid
 Melting Point: 65°C
 Flash Point: 100°F

Also available in toluene solution

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APPLICATIONS

Benzyl Carbazate is a chemical intermediate used in the synthesis of agricultural and pharmaceutical chemicals.

SAFETY AND HANDLING

Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Keep away from heat, sparks and open flames.

FIRST AID

Seek immediate medical attention. Show MSDS to doctor.

Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact: Wash off immediately with plenty of water. Wash skin with soap and water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Ingestion: Rinse mouth. Drink plenty of water. Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.

Inhalation: Move to fresh air. If symptoms persist, call a physician. Apply artificial respiration if victim is not breathing. If breathing has stopped, contact emergency medical services immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

SPILLS AND DISPOSAL

Use appropriate PPE (see MSDS). ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Ensure adequate ventilation. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of liquid spill for later disposal. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dam up. Soak up with inert absorbent material e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Use clean non-sparking tools to collect absorbed material. Water spray may reduce vapor; but not prevent ignition in closed spaces. Dispose of empty containers according to local regulations. DO NOT reuse containers.

STORAGE

Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat.

PACKAGING AND SHIPPING

(To be provided)

EMERGENCY RESPONSE

*Contact CHEMTREC 1-800-424-9300 in case of a transportation incident.

*Contact VanDeMark 1-716-433-6764 for all other incidents.