

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name Benzyl Cabazate
Synonyms BzCz
Formula C₈H₁₀N₂O₂
Recommended Use chemical intermediate.

Contact Manufacturer

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
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Emergency Telephone Number CHEMTREC: + 1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation Organic compound.

Haz/Non-haz

Chemical Name	EINECS-No.	CAS-No	Weight %	Classification
Benzyl Carbazate	226-230-3	5331-43-1	> 99%	Xi;R36

For the full text of the R phrases mentioned in this Section, see Section 16

3. HAZARDS IDENTIFICATION

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Classification

Xi;R36
Xi - Irritant.

Most Important Hazards

Irritating to eyes.
Ingestion may be harmful

Physico-chemical properties Heating will cause decomposition and release toxic/corrosive compounds.

Properties Affecting Health Inhalation of dust in high concentration may cause irritation of respiratory system.

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion	Do NOT induce vomiting. If conscious, give 2 glasses of water. Consult a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Notes to physician	Treat symptomatically.
Protection of first-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

All extinguishing media are suitable.

Extinguishing media which must not be used for safety reasons

No information available.

Specific hazards

Thermal decomposition can lead to release of irritating gases and vapours.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

Personal precautions

Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation.

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

Methods for Containment

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Prevent dust cloud.

Other information

Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes.

Storage

Keep container tightly closed. Keep away from heat. Keep in properly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

The product does not contain any hazardous materials with occupational exposure limits established.

Occupational Exposure Controls

Engineering measures

Showers, eyewash stations, and ventilation systems.

Personal protective equipment

Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Eye protection	Tightly fitting safety goggles
Skin and body protection	Long sleeved clothing. Impervious gloves.
Hand protection	Protective gloves

Hygiene measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.

Environmental exposure controls Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white crystalline	Odour	Odourless.
Physical state	Solid.	pH	NA
Flash point	110°C	Autoignition temperature	No information available.
Boiling point/range	No information available.	Melting point/range	63 – 65°C (145 – 149°F)
Flammability Limits in Air	No information available.		
Specific Gravity	No information available.	Water solubility.	17060 ppm
Solubility	No information available	Evaporation rate	No information available
Vapour pressure	No information available.	Vapour density	No information available.
VOC content	No information available.	Viscosity	No information available.

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and storage conditions.
Conditions to Avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods.
Materials to Avoid	Strong oxidizing agents.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide, carbon dioxide.
Hazardous Polymerisation	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information .

Eye Irritation: Rabbit, severely irritable.

Chronic Toxicity

28 days, oral; NOEL: 4mg/kg (rat)

In a 28 day study in rats, irreversible neurotoxic effects were observed at 100 mg/kg/d

Irritation Irritating to eyes. Inhalation of dust in high concentration may cause irritation of respiratory system.

Reproductive Toxicity Did not produce genetic damage in bacterial or mammalian cell with turks.

Developmental Toxicity No information available.

Target Organ Effects Eyes. Respiratory system, blood, liver.

12. ECOLOGICAL INFORMATION

Aquatic Ecotoxicity

24 hour LC50 (fathead minnows): > 10ppm

48 hour EC50 (daphnia Magna): > 0.5ppm

13. DISPOSAL CONSIDERATIONS

Waste from residues/ unused products Waste is classified as hazardous. Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated packaging Dispose of in accordance with local regulations.

EWC waste disposal No 16 05 60

Other information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

IMDG/IMO not regulated

RID not regulated

ADR not regulated

ICAO not regulated

ICAO/IATA not regulated

15. REGULATORY INFORMATION

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Labeling

Contains Benzyl Carbazate
EU Labeling 226-230-3
Symbol(s) Xi - Irritant.

Xi



R-phrases(s)

R36 - Irritating to eyes.

S-phrases(s)

S25 - Avoid contact with eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S60 - This material and its container must be disposed of as hazardous waste.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

International Inventories

Chemical Name	EINECS	ELINCS	TSCA	DSL	NDSL	PICCS	ENCS	China	AICS	KECL
Benzyl Carbazate	226-230-0	-	Present	-	-	-	-	-	-	-

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2

R36 - Irritating to eyes.

Issuing Date 06-Feb-2009

Revision Date

Revision Note No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet