

Product name: PEROXAN DC

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PEROXAN DC

Chemical name: Dicumyl peroxide

Supplier:

Pergan Marshall, LLC
710 – B Bussey Road
Marshall, TX 75670

DISTRIBUTED BY
R. E. CARROLL, INC.
1570 NORTH OLDEN AVENUE
TRENTON, NJ 08638-3204
609-695-6211 / 800-257-9365

Emergency telephone number: Pergan Marshall Emergency Response 903-938-5141
CHEMTREC (24 hours) 800-424-9300

For MSDS, Product Safety, or regulatory inquiries, call: 903.934.7716

Customer Service: 877-2-Pergan (877-273-7426) or 903.934.7763

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
dicumyl peroxide	80-43-3	>= 99.0 %
de minimis impurities	-	<= 1.0 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

MAY BE HARMFUL OR FATAL IF SWALLOWED.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE IRRITATING OR CORROSIVE TO THE SKIN AND/OR EYES.

4. FIRST AID MEASURES

Swallowing

Obtain medical attention. If patient is fully conscious, rinse mouth with water. Give water to drink. Drink water in small sips. (Diluting effect) Never give anything by mouth to an unconscious person. Vomiting may cause aspiration into the lungs resulting in chemical pneumonia.

Skin

Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

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Inhalation

Remove to fresh air. If exposure is severe, hospitalize and observe. If breathing has stopped, give artificial respiration.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention immediately. May cause blindness.

Notes to physician

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation, mist. TARGET ORGANS: Eyes, skin, respiratory system.

5. FIRE-FIGHTING MEASURES

Flash point: 94 °C

NFPA CLASSIFICATION

Health: 2	Flammability: 2	Reactivity: 2	Special provisions: -
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Special fire fighting procedures

Evacuate all personnel from danger area. Use water spray to cool fire-exposed containers and structures.

Special protective equipment for firefighters

Body covering protective clothing. Self-contained breathing apparatus.

Extinguishing media

Suitable:

- water fog
- foam
- CO2
- dry chemical
- dry sand

Unusual fire and explosion hazards

Other harmful gases and vapors may be formed in addition to the major combustion products of carbon dioxide and carbon monoxide. There is a potential for an explosive decomposition in a fire situation. Once ignited, this product will burn vigorously and with acceleration.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with eyes and skin. Avoid contact with liquid and vapors. Provide sufficient ventilation.

Environmental precautions

Avoid runoff to sewers or waterways. This product has limited solubility in water.

Methods for cleaning up

Stop the leak if it can be done without risk.
Dike to contain spill.
Absorb on inert material such as sand, earth, vermiculite.
Cover by foam or wet with small quantities of water.
Sweep up using non-sparking equipment.
Collect in a suitable container for disposal.

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Storage material: Polypropylene, polyethylene

Dispose of waste material in compliance with all federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Keep containers tightly closed to prevent contamination. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when handling. Wear recommended personal protection equipment. Remove contaminated clothing and wash before reuse. Use spark-proof tools and explosion-proof equipment.

Other precautions

Store containers in a well-ventilated area. Open them cautiously, in case they may be under slight pressure. Have good ventilation and suitable protective equipment in areas where containers will be opened.

Keep away from heat, sparks and flame.

Do not expose to direct sunlight.

STORAGE

Storage requirements

Regulated as an Organic Peroxide, Class 5.2, for storage and handling. Store in original containers away from incompatible materials, direct sunlight, flames, and all sources of heat.

Further information on storage

Maximum Storage Temperature: 38 °C (100 °F). In order to maintain the product's original manufactured assay in long term storage, a lower storage temperature of below 30 °C (86 °F) is strongly recommended. Shelf Life: (Calculated from half-life data in benzene solution) Estimate > 48 months at which 95% of the original manufactured assay remains when stored at or below 30 °C (86 °F)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection

None required in normal use. Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Hand protection / protective gloves

Neoprene type gloves.

Eye protection

Wear suitable eye protection.

Faceshield

Monogoggles

Contact lenses should not be worn.

Skin protection

Wear protective clothing.

Apron/boots of neoprene if risk of splashing

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory.

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EXPOSURE LIMITS

No exposure limits have been established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Solid
Color	White to light yellow

OTHER PROPERTIES

Boiling point	Not determined
Melting point	38 °C at STP unless specified below.
pH	Not applicable.
Specific gravity (H ₂ O=1)	1.012 at 25 °C
Flash point	94°C Method: Setaflash closed cup ASTM D 3828
Kinematic viscosity	Not applicable.

10. STABILITY AND REACTIVITY

Stability: This product is stable only when stored at, or below, the recommended maximum temperature. (see section 7)

SADT

Value: 80 °C
Remark: 5# Package

Stability - Conditions to avoid

Contamination with ANY foreign substance,
Exposure to heat.
Protect from direct sunlight.

Incompatible materials

Strong acids.
Reducing agents.
Accelerators
Promoters
Other reactive chemicals

Hazardous combustion products

Carbon monoxide.
Carbon dioxide.
Hydrocarbons.

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11. TOXICOLOGICAL INFORMATION

SWALLOWING

Acute effects

Harmful or fatal if swallowed.

Test results LD50 - Rat
Acute toxicity: Result: 4,000 mg/kg

SKIN ABSORPTION

Acute effects

May cause eye and skin irritation.

Test results
Acute toxicity: LD50 - Rat
Result: No data available.

INHALATION

Acute effects

May be harmful by inhalation.

Test results
Acute toxicity: LC50 - Rat
Result: > 224 mg/l
Remark: (dust, 40% on filler)

SKIN CONTACT

Acute effects

May cause irritation.

Test results
Skin irritation: Species: Rabbit
Result: No data available.

EYE CONTACT

Acute effects

May cause irritation.

Test results
Eye irritation: Species: Rabbit
Result: No data available.

12. ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

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13. DISPOSAL CONSIDERATIONS

US waste

Dispose of waste material in compliance with all federal, state, and local regulations. Hazardous waste identification number D003, characteristic of reactivity (see 40CFR261.23).

14. TRANSPORT INFORMATION

DOT Classification

Proper shipping name: ORGANIC PEROXIDE TYPE F, SOLID (DICUMYL PEROXIDE, >52-100%)
Class: 5.2
UN ID #: UN3110
Packing group: II

IMDG Classification

This product is regulated by IMDG.

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Class: 5.2
UN ID #: UN3110
Packing group: II

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:
This product does not contain any chemical listed in Section 313 at or above de minimis concentrations.

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
dicumyl peroxide	80-43-3	
de minimis impurities	-	

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.

Europe: The ingredients of this mixture are on the EINECS inventory.

United States: The ingredients of this product are on the TSCA inventory.

Australia: The ingredients of this product are on the AICS inventory.

16. OTHER INFORMATION

FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand)
CONSULT REGULATORY SPECIALIST.

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HMIS RATING

Health: 1	Flammability: 2	Reactivity: 1	PPI: -
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LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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