



MATERIAL SAFETY DATA SHEET

NOROX[®] DCP-40BKC



SECTION 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY

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|------------------------|-------------------------------------|---------------------------------|--|
| PRODUCT NAME | NOROX[®] DCP-40BKC | TELEPHONE | 626-334-2908 |
| MANUFACTURER | Norac, Inc. | CHEMTREC (24hr) (USA) | 800-424-9300 |
| ADDRESS | 405 S. Motor Ave., Azusa, CA 91702 | (Maritime/International) | 703-527-3887 |
| CHEMICAL NAME | Dicumyl Peroxide | CAS NO. | See Section 2 |
| CHEMICAL FAMILY | Organic Peroxide - Dialkyl Peroxide | CHEMICAL FORMULA | C ₁₈ H ₂₂ O ₂ / Al ₂ O ₃ ·2SiO ₂ |

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| <u>COMPONENTS</u> | <u>CAS NO.</u> | <u>%</u> |
|--|----------------|----------|
| Dicumyl Peroxide | 80-43-3 | 40 |
| Calcined Kaolin Clay | 66402-68-4 | 60 |
| Clay has be modified with a Silane coating | proprietary | <1 |

SECTION 3 - HAZARD IDENTIFICATION OF THE PREPARATION

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| PHYSICAL HAZARDS | Organic Peroxide - Decomposition. May cause fire. |
| HEALTH HAZARDS | Irritant |
| EXPOSURE LIMITS | Calcined Kaolin OSHA PEL: 5mg/m ³ (respirable) and 15mg/ m ³ (total) ACGIH TLV: 2mg/m ³ (respirable) |
| ROUTES OF EXPOSURE | |
| Skin Absorption | May cause irritation and redness of the skin. |
| Eye Contact | Eye contact may produce inflammation |
| Ingestion | Mildly toxic by ingestion. |
| Inhalation | May be toxic by inhalation |
| EFFECTS OF OVER-EXPOSURE | There are no known medical conditions, which are recognized as being aggravated by exposure. |

SECTION 4 - FIRST-AID MEASURES

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| Skin | Immediately remove any contaminated clothing. Wash contaminated area thoroughly with soap and copious amounts of water for at least 15 minutes. If irritation or adverse symptoms develop seek medical attention. |
| Eyes | Remove any contact lenses at once. Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop seek medical attention. |
| Ingestion | Contact a physician, hospital or Poison Control Center at once. DO NOT INDUCE VOMITING. |
| Inhalation | Remove to fresh air, if coughing, breathing becomes labored, irritation develops or other symptoms develop, seek medical attention at once, even if symptoms develop several hours after the exposure. |

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SECTION 5 - FIRE-FIGHTING MEASURES

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| FLASH POINT: | 127°C (261°F), SETA CC |
| FLAMMABLE LIMITS | Unknown |
| AUTOIGNITION POINT | Unknown |
| FIRE EXTINGUISHER MEDIA | Water from a safe distance - preferably with a fog nozzle. In case of very small fires, other means such as carbon dioxide, foam or dry chemical extinguishers may be effective. |
| SPECIAL FIRE FIGHTING PROCEDURES | Evacuate all unnecessary personnel. Fight fire from a safe distance. Firemen should be equipped with protective clothing and SCBA's.. In case of fire near storage area, cool the containers with water spray. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Contact with other material may cause fire. The heat of decomposition of the peroxide adds to the heat of the fire. Container explosion may occur under fire conditions. May explode when exposed to heat. Self ignition is possible |

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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| STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE | Using PPE described in Section 8, sweep up spilled material immediately and place in a clean, DOT approved drum. Avoid raising dust. Do not allow material to flow into common drains. |
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SECTION 7 - HANDLING AND STORAGE

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| HANDLING | Keep containers tightly closed to prevent contamination. Rotate stock using the oldest material first. Never add to hot solvents or monomers as a violent decomposition and/or reaction may result. <u>DO NOT USE NEAR FOOD OR DRINK</u> . Avoid skin, eye and clothing contact. Avoid breathing dusts and use with adequate ventilation. Avoid prolonged or repeated exposure. Wear personal protection equipment recommended in Section 8. Wash thoroughly after handling. Remove and wash contaminated clothing promptly. |
| STORING | Keep material in its original container away from any incompatible materials, sparks, direct sunlight or other sources of heat. <u>DO NOT STORE WITH FOOD OR DRINK</u> . Store in an isolated, cool and well-ventilated area. Store at temperatures below 80°F (27°C) is recommended. Storage at elevated temperatures will cause product degradation, gassing and potential container rupture which, can result in a fire and/or explosion. |
| OTHER PRECAUTIONS | Properly dispose of empty containers. |

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

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| VENTILATION | Use with adequate ventilation. |
| RESPIRATORY PROTECTION | If airborne concentrations are expected to exceed acceptable levels wear a NIOSH/MSHA approved air-purifying respirator with an organic vapor cartridge or canister. When using respirators refer to OSHA's 29CFR 1910.134. |
| EYE PROTECTION | Safety goggles recommended. |
| HAND PROTECTION | Protective gloves recommended, solvent resistant. (Neoprene, nitrile or polyethylene) |
| OTHER | A safety shower and eyewash. |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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| APPEARANCE AND ODOR | White granular solid with a slight odor. | | |
| BOILING POINT: | Decomposes | SPECIFIC GRAVITY: | 1.5 |
| VAPOR PRESSURE: | <1 at 100°C | FLASH POINT: | 127°C (261°F), SETA CC |
| VAPOR DENSITY: | >> 1 (Air=1) | FLAMMABLE LIMITS: | Unknown |
| EVAPORATION RATE: | N/A | SADT | >70°C (158°F) |
| % VOLATILE BY VOLUME: | N/A | pH: | Not applicable |
| SOLUBILITY IN WATER: | Negligible | | |

NOROX[®] DCP-40BKC**SECTION 10 - STABILITY AND REACTIVITY****STABILITY****CONDITIONS TO AVOID****MATERIALS TO AVOID****HAZARDOUS****DECOMPOSITION PRODUCTS****HAZARDOUS****POLYMERIZATION**

Stable unless exposed to incompatible materials or excessive heat.

Avoid contamination. Do not store in direct sunlight. Temperatures above SADT.

Mineral acids, oxidation catalysts, reducing agents, and Friedel-Craft type catalysts, finely powdered metals, and excessively hot materials.

Carbon monoxide/dioxide.

Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION**Dicumyl Peroxide****Hazard Data:****Toxicity****Oral:** Rat--LD₅₀: 4100 mg/kg.**Unreported:** Rat--LD₅₀: 3500 mg/kg.**Additional Data****Oral:** Rat--LD₅₀: 4100 mg/kg.**Inhalation:** Rat--LC₅₀: > 224 mg/kg.**Calcined Kaolin Clay****Hazard Data:** No data available**SECTION 12 - ECOLOGICAL INFORMATION**

No data is available on the preparation itself. The product should be prevented from entering drains, sewers, streams, etc.

SECTION 13 - DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved facility. Processing, use, or contamination of this product may change the waste management options.

Immediately dispose of waste material at a RCRA approved hazardous waste management facility in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORT INFORMATION

NON REGULATED BY DOT

NO DOT LABEL REQUIRED

SECTION 15 - REGULATORY INFORMATION

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Chemical Name**CAS Number****Percent**

None

DSL Status

The ingredient in this product is listed in the Canadian Domestic Substances List (DSL).

EINECS

The ingredient in this product is listed in the European Inventory of Existing Commercial Chemical Substances (EINECS).

TSCA Status

The ingredient in this product is listed in the US Toxic Substances Control Act (TSCA) Inventory.

Status of Carcinogenicity

Not recognized as a carcinogen by the IARC, NTP or OSHA.

NOROX[®] DCP-40BKC**SECTION 16 - OTHER INFORMATION****VOC Information**

None of the ingredients meets the definition of a VOC.

NFPA 432 Organic Peroxide Classification

Class V

NFPA 704 Rating

Health

1

Flammability

1

Reactivity

1

HMIS Rating

Health

1

Flammability

1

Reactivity

1

MSDS Reference: DCP-40 BKC MSDS 0409.1

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