DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

Material Safety Data Sheet

Date Prepared 8/2/2011

HAZARD RATING	
0 = Least	
1 = Slight	
2 = Moderate	
3 = High	
4 = Extreme	
Health	2
Flammability	2
Reactivity	3
Personal Protection	E

SECTION I - IDENTIFICATION

IDENTITY (As Used on Label) Cryl-A-Cure

COMMON NAME Benzoyl Peroxide; Dibenzoyl Peroxide; BPO

SECTION II - PRODUCT COMPONENTS

	CAS.#	OSHA PEL	ACGIH TLV
Benzoyl Peroxide - (BPO)	94-36-0	5 mg/m^3	5 mg/m^3
Dicyclohexylphthalate	84-61-7	N.E.[1]	N.E.

[1]Not Established

Benzoyl peroxide is subject to SARA title III, section 313 reporting requirement.

Shipping Description: Organic Peroxide Type D Solid (dibenzoyl peroxide, 50%) 5.2, UN3106, PG II

North American Emergency Response Guide No. :145

Required Labels: Organic Peroxide.

Environ. Hazardous Substance: This product does not contain an environmentally hazardous substance per 49CFR 172.101 appendix A.

T.S.C.A. Status - O.K. on all above components.

FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point ^{0}F	N/A	Specific Gravity (H_2O = 1)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Volatile Organic Compounds (VOC) = Zero grams/liter		Molecular Weight	242.2
Solubility in Water	INSOLUBLE		
Appearance and Odor	White granules with slight odor		

SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	N/A	Flammable Limits	LEL	UEL
			N/A	N/A

Extinguishing Media: Use water mist, CO_2, foam, or dry powder.

Special Firefighting Procedures

Evacuate area and apply water from a safe distance. Spray water on the nearby peroxide containers to prevent overheating. Use self-contained, positive pressure/pressure demand respirators.

Unusual Fire and Explosion Hazards

Peroxides and decomposition products are flammable and can ignite with explosive force if confined.

SECTION V - REACTIVITY DATA

Stability	Unstable	X	Conditions to Avoid
	Stable		Keep containers closed when not in use.
Incompatibility (Materials to Avoid)	Peroxides,amines,sulfur compounds, heavy metal ions and alkalis		
Hazardous Decomposition or Byproducts	Oxides of Carbon and Biphenyl		
Hazardous Polymerization	May Occur	X	Conditions to Avoid: Hazardous conditions to avoid that could cause decomposition are extensive
	Will Not Occur		heat or contaminated with incompatatabe materials.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? YES Skin? Yes Ingestion? Yes

Health Hazards ACUTE: SKIN:LD50-ND- Not a primary skin irritant or corrsive hazard to skin (based on rabbit tests with 78 % wet BPO) Eyes: Draiz test unknown, Results on rabbits characterized as "Minor reactions" for 50 % paste and Powder. Inhalation: LC50 -ND- at 24.3 mg/l (rats-4-hour exposure) 78% wet BPO was " not a highly toxic substance". Oral: LD50-ND- at 5000 mg/kg level (rats), 78 % wet BPO was deemed "not a toxic substance". LD50 = >15,000 mg/ kg (rat) for phthatate. OTHER: Mutagenicity- Negative in the ames test for 78 % wet BPO. Benzoyl peroxide has given negative results in several skin painting studies (mice) and positive results in one such study (mice). The relevance of the positive result, if any, to humans is not known at this time. Persons with skin disorders or impaired respiratory function are at increased risk of exposure.

Effects of Over exposure: DERMAL: Prolonged skin contact may cause skin irritation, redness and excessive dryness. EYE: Contact may cause eye irritation. Repeated exposure may cause conjunctivitis. INHALATION: May cause irritation of the nose, throat and lungs, cough and dyspnea. INGESTION: May cause abdominal pain, nausea and vomiting.

Emergency and First Aid Procedures

EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice.

SKIN - PROMPTLY wash with soap and water. DO NOT wash with solvents. Seek medical advice if irritation develops or persists.

INHALATION - Move person to fresh area if effects occur. If needed, give oxygen or artificial respiration to improve breathing . Consult physician.

INGESTION - If swallowed, DO NOT induce vomiting. Give plenty of water. Contact poison control center Get medical attention immediately. Never give liquids to an unconscious or convulsing person.

OTHER HEALTH EFFECTS - Medical conditions which may be aggravated by exposure to this product include, conjunctivitis of the eye, dermatitis of the skin, asthma and respiratory diseases.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type):

Provide adequate exhaust ventilation with explosion proof fan; The use of a NIOSH - approved respirator not required, PELS/TLVS declared will not exceed levels under normal operation.

Ventilation	Local Exhaust	If needed.	Special	None known.
	Mechanical	Adequate exhaust ventilation must exhaust AWAY from applicators and near by people.		
Protective Gloves		Natural rubber or Neoprene.	Eye Protection	Splash proof goggles or face shield.

Other Protective Clothing or Equipment

Use rubber apron and/or appropriate clothing to prevent contact with skin. Gloves must still be worn.

Launder contaminated clothing before reuse. Thoroughly wash hand and face with soap and water.

An eye wash station or an adequate supply of clean water must be available at work area.

Work/Hygienic Practices: Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Do not store near combustibles. Wash thoroughly after handling. Do not get in eyes, on skin or clothing.

Do not breathe dust. Keep container closed. Empty container may contain hazardous residues.

Use explosion proof equipment

Keep away from all sources of heat and ignition such as radiators, steam pipes and direct sunlight.

Waste Disposal Method: Dispose in accordance with Federal, State and Local requirements.

Precautions to be Taken in Handling and Storing:

Store in cool,dry,well-ventilated area away from sources of ignition. Keep containers tightly closed when not in use.

Other Precautions More information may be found in NFPA bulletion 43B "Storage of Organic Peroxide Formulations".

Prepared By: Samet Dy - Chemist

PLEASE NOTE