

CB420 A - Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CB420 A (Activator)**

Click Bond, Inc. Information Phone Number: (775) 885-8000
2151 Lockheed Way Emergency Phone Number: (800) 255-3924 (Chem•Tel)
Carson City, NV 89706 Outside North America Phone: (813) 248-0585 (call collect)

HMIS

Health Hazard	2*
Fire Hazard	2
Reactivity	2
Personal Protection	X

*Chronic Health Effects

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Ingredient Percent
Benzoyl peroxide	94-36-0	10-30% by weight
Bisphenol A diglycidyl ether resin	25068-38-6	10-30% by weight
Butyl benzyl phthalate	85-68-7	10-30% by weight
Non-hazardous	N/A	10-30% by weight
Non-hazardous ingredients	N/A	5-10% by weight
Non-hazardous	N/A	1-5% by weight
Trade secret	N/A	10-30% by weight

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview:	WARNING! Potential Sensitizer Irritant.
Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.
Skin:	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
Inhalation:	Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
Ingestion:	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
Chronic Health Effects:	Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

SECTION 4: FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties:	Decomposition products can be Flammable. Self accelerating decomposition temperature is 129°F (54°C), estimated.
Flash Point:	Not determined.
Autoignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO ₂) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water or foam may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Organic peroxides can decompose violently if heated strongly while confined. Sudden reaction and fire may result if product is mixed with an oxidizing agent.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Methods:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7: HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Do not store in temperatures above 100°F (38°C).
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eye wash and a deluge shower safety station.

EXPOSURE GUIDELINES

Benzoyl peroxide:

Guideline ACGIH:	5 mg/m ³ TLV-TWA: 5 mg/m ³
Guideline OSHA:	5 mg/m ³ PEL-TWA: 5 mg/m ³

Notes: Only established PEL and TLV values for the ingredients are listed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance:	Viscous. Liquid.	Evaporation Rate:	<<1 (butyl acetate = 1)
Odor:	Slight odor.	pH:	Neutral.
Boiling Point:	Not determined.	Molecular Formula:	Mixture.
Melting Point:	Not determined.	Molecular Weight:	Mixture.
Specific Gravity:	1.0-1.25	Flash Point:	Not determined.
Solubility:	Slightly soluble.	Autoignition Temperature:	Not determined.
Vapor Density:	Not determined.	VOC Content:	<50 g/L mixed.
Vapor Pressure:	Not determined.	Percent Solids by Weight:	>92
Percent Volatile:	<8		

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Unstable.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Contamination, direct sunlight, friction and prolonged storage above 100°F (38°C).
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11: TOXICOLOGICAL INFORMATION

Benzoyl peroxide:

RTECS Number:	DM8575000
Eye:	Eye - Rabbit Standard Draize test: 500 mg/24H
Skin:	Administration onto the skin - : >1 gm/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Mouse: 121120 ug/kg/4W (Intermittent) [Biochemical - Metabolism (Intermediary) - Effect on inflammation or mediation of inflammation] Administration onto the skin - Mouse: 242 mg/kg/4W (Intermittent) Administration onto the skin - Human: 5%/48H Administration onto the skin - Human: 5% Administration onto the skin - Human: 5%/8W (Intermittent) Administration onto the skin - Mouse: 24 gm/kg/30W (Intermittent) [Tumorigenic - equivocal Tumorigenic agent by RTECS criteria Skin and Appendages - Tumors] Administration onto the skin - Mouse: 64000 mg/kg/40W (Intermittent) [Tumorigenic - carcinogenic by RTECS criteria Skin and Appendages - Tumors Tumorigenic - Facilitates action of known carcinogen] Administration onto the skin - Mouse: 28800 mg/kg/18W (Intermittent) [Tumorigenic - carcinogenic by RTECS criteria Skin and Appendages - Tumors Tumorigenic - Facilitates action of known carcinogen]
Ingestion:	Oral - Rat LD50: 7710 mg/kg [Lungs, Thorax, or Respiration - Cyanosis Liver - Other changes Kidney/Ureter/Bladder - Other changes in urine composition] Oral - Mouse LD50: 1200 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rat LD50: 6400 mg/kg [Details of toxic effects not reported other than lethal dose value]

Bisphenol A diglycidyl ether resin:

RTECS Number:	SL6480000
Skin:	Administration onto the skin - Rat LD: >2 gm/kg [Nutritional and Gross Metabolic - Other changes]

Butyl benzyl phthalate:

RTECS Number: TH9990000

Skin: Administration onto the skin - Rat: 6700 mg/kg [Details of toxic effects not reported other than lethal dose value]
Administration onto the skin - Mouse: 6700 mg/kg [Details of toxic effects not reported other than lethal dose value]
Administration onto the skin - Rabbit: >10000 mg/kg [Details of toxic effects not reported other than lethal dose value]
Administration onto the skin - Mouse: 60000 uL/kg/19D (Continuous)
[Immunological Including Allergic - Increase in humoral immune response]
Administration onto the skin - Human: 10%

Ingestion: Oral - Rat LD50: 2330 mg/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Mouse LD50: 4170 mg/kg [Details of toxic effects not reported other than lethal dose value]

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number: None.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Refer to Bill of Lading
DOT UN Number: Refer to Bill of Lading
IATA Shipping Name: Nonregulated.

SECTION 15: REGULATORY INFORMATION

Benzoyl peroxide:

TSCA Inventory Status: Listed
SARA: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.
New Jersey: Listed: NJ Hazardous List; Substance Number: 0215
Massachusetts: Listed: Massachusetts Oil and Hazardous List
Pennsylvania: Listed
Canada DSL: Listed

Bisphenol A diglycidyl ether resin:

TSCA Inventory Status: Listed
Canada DSL: Listed

Butyl benzyl phthalate:

TSCA Inventory Status: Listed
California PROP 65: Listed: developmental
New Jersey: Listed: NJ Hazardous List; Substance Number: 2896
Massachusetts: Listed: Massachusetts Oil and Hazardous List
Pennsylvania: Listed
Canada DSL: Listed

Canadian Regulations: WHMIS Hazard Class(es): D2B
All components of this product are on the Canadian Domestic Substances List.

WHMIS Pictograms:



SECTION 16: ADDITIONAL INFORMATION

MSDS Revision Date: 23NOV13

MSDS Author: Click Bond, Inc.

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