


KELKEN CONSTRUCTION SYSTEMS

Safety Data Sheet

SECTION 1 - Product and Company Identification			Effective Date: 5/20/15		
Manufacturer: Advance Coatings Company Produced for: Kelken Construction Systems Trade Name: KELIGROUT 101 CATALYST Chemical Name: Filled Catalyst Solution			Emergency Phone: 732-416-6730 (Kelken Construction Systems) 800-424-9300 (Chemtrec 24 Hr. Emer.) Prepared By: Chuncai Yang		
Section 2 - Hazards Identification				Signal Word: DANGER!	
HMIS Rating:	Health - 3	Flammability - 2	Reactivity - 3	Hazard Pictogram 	
NFPA Codes:	Health - 3	Flammability - 2	Reactivity - 3		
Emergency Overview:		ORGANIC PEROXIDE	HEAT OR CONTAMINATION MAY CAUSE HAZARDOUS DECOMPOSITION		
CAUSES EYE IRRITATION	MAY CAUSE ALLERGIC SKIN REACTION	VERY TOXIC TO AQUATIC ORGANISMS			
Peroxides and peroxide decomposition products are flammable and can ignite with explosive force if confined. Dust explosion possible in the presence of air.					
Section 3 - Composition/Information on Ingredients					
Hazardous Component	CAS #		Exposure Limits	% by Wt.	
Proprietary Pigments			10.0 PPM ACGIH TWA	52 ± 2%	
Proprietary Plasticizers			5.0 PPM OSHA TWA	24 ± 2%	
			10.0 PPM OSHA STEL		
Dibenzoyl Peroxide	94-36-0		5.0 PPM OSHA PEL	16 ± 2%	
Proprietary Peroxide			N/D	8 ± 2%	
Section 4 - First Aid Measures					
Eyes:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention.				
Skin:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse.				
Ingestion:	Call a physician or poison control center immediately. Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person.				
Inhalation:	If symptomatic, move to fresh air. Get medical attention if symptoms persist.				
Additional protective Measures: First Aid Facilities: Eye bath, safety shower, washing facilitation. Advice to Physicians: None Known					
Section 5 - Fire Fighting Measures					
Extinguishing Media: Water spray, dry chemical, Carbon Dioxide, Foam. Protective Equipment: Wear self-contained breathing apparatus and protective clothing. Special Exposure Hazard: Peroxides and peroxide decomposition products are flammable & can ignite w/explosive force if confined. Special Fire Fighting Procures: Use water spray to keep fire-exposed containers cool.					
Section 6 - Accidental Release Measures					
Leaks and Spills: Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. For large spills; flush spill area with water spray. Prevent runoff from entering drains, sewers or streams.					
Personal Protection: Wear protective clothing.					
Section 7 - Handling and Storage		Handling: Material is combustible liquid; keep away from heat, open flame, oxidizers, and to other ignition sources. Avoid breathing vapors. Use protective equipment when handling. Storage: Store indoors with adequate ventilation and out of direct sunlight. To insure product quality storage temperature should not exceed 77°F to insure against possible exothermic self-accelerating decomposition, storage temp. must not exceed 131°F (55°C). Store away from amines, acids, alkalis, & metal compounds.			
Section 8 - Exposure Controls/Personal Protection					
Engineering Control: Local exhaust ventilation should be used to control the emissions of air contaminants. General dilution ventilation may assist with the reduction of air contaminant concentrations. Respiratory Protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. Respirator Type: Organic vapor. If respirators are used, a program should be instituted to assure compliance w/OSHA Standard 29 CFR 1910.134. Eye Protection: Wear safety glasses w/side shields, or goggles. Ventilation Required: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from lg. surfaces, spraying, heating, etc.					
Skin Protection: Wear impervious gloves, boots, and protective clothing appropriate for the risk of exposure.					

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Section 9 - Physical and Chemical Properties			
Appearance: Viscous liquid	Odor: Aromatic odor	Physical State: Liquid	pH: Not determined
Boiling Point: Not determined	Freezing Point: Not determined	Vapor Pressure: Not determined	
Flash Point: Not determined	Volatile by Weight: 18%	Solubility in Water: Negligible	
Viscosity: 10,000 cps @ 72°F	Specific Gravity: 1.4 ± 0.02	Density: 12 lb./gal.	
Oxidizing Properties: Is an oxidizing agent.		Partition Coefficient: Not Determined	
Explosion Limits: Not determined	Evap. Rate: (Butyl Acetate=1): Slower than Butyl Acetate		
Section 10 - Stability and Reactivity Chemical Stability: This product is stable at ambient temperatures but may decompose if exposed to			
temperatures over 131°F. Conditions to avoid: Heat and open flame. Incompatibility with other materials: Avoid amines, acids, alkalis, and			
and heavy metal compounds. Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, & Organic Acids.			
Hazardous Polymerization: Will not occur.			
Section 11 - Toxicological Information			
Eye Effects: This product is expected to be severely irritating and corrosive. Skin effects: Prolonged or repeated contact is expected to be			
irritating and corrosive. Inhalation effects: Prolonged breathing of vapors can cause headache. Ingestion Effects: This product contains a			
corrosive, toxic peroxide. Can cause burns to mouth, esophagus & gastrointestinal track. It may cause stomach cramps, vomiting, & diarrhea.			
Signs and Symptoms of Chronic Overexposure: No known chronic health effects have been observed with normal use of this product.			
Potential Health Effects/Health Hazard Identification: Acute Exposure: Eye - may cause severe irritation and burns. Skin - may cause			
severe irritation or burns. Ingestion - Corrosive. Can cause burns to mouth, esophagus and gastrointestinal track. Inhalation - may cause			
headache, sore throat, shortness of breath and possibly severe irritation to nose, throat, and lungs. Chronic Exposure - long-term exposure			
to this product are not known. Other Hazards: Known Synergist: Metal salts & amines cause rapid decomposition. Corrosive Hazard: Corrosive			
Fire and Explosion Hazard: Peroxides & peroxide decomposition products are flammable and can ignite with explosive force if confined.			
Ecotoxicity: The ecological toxicity of this product is not known. Persistence: Other ecological information on this product is not known.			
Section 13 - Disposal Considerations			
Disposal: Discharge, treatment, or disposal may be subject to national, state and local laws. Incinerate. Since emptied containers			
retain product residue, follow label warnings even after container is emptied.			
Section 14 - Transport Information United Nations Number: UN 3109			
Packing Group: PG II			
Section 15 - Regulatory Information			
U.S. Federal Regulations: Toxic substances control act (TSCA) Inventory - Yes			
US DOT Regulations: Hazard class: Organic peroxide type F liquid, ID Number: UN 3109, Packing Grp: II			
North American Emergency Response Guide No. 145, Primary Label: Organic Peroxide, Secondary Label: Corrosive			
Section 16. Other Information			
Workers using this product should read and understand this SDS and be trained in the proper use of this material. This SDS had been			
prepared in accordance with the federal OSHA Hazard Communication Standard.			
Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, the user should			
determine the suitability of the products for his intended use, and the user assumes the risk and liability in connection therewith. We do not suggest violation			
of any existing patents or give permission to practice any patented invention without license.			