SAFETY DATA SHEET

1.0 IDENTIFICATION

1.1 GHS product identifier: Cream Hardener

1.2 Other means of identification: Organic Peroxide, 50% in inert fillers

1.3 Recommended use of the chemical and restrictions on use: N/A

1.4 Supplier's details: MULTI-TECH PRODUCTS
1177 N RED GUM ST
ANAHEIM, CA 92806
INFORMATION PHONE: (951) 834-9066

1.5 Emergency phone number: CHEMTREC: 1-800-424-9300

2.0 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Organic Peroxide, Type E,
Serious Eye Damage/Irritation: Category 2A. Skin Sensitizer: Category 1

2.2 GHS label elements:

Signal Word: Warning

Hazard Statement:
Heating may cause a fire.
Causes serious eye irritation.
May cause an allergic skin reaction

Precautionary Statement
Keep out of reach of children
Signal Word: Warning

Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep away from clothing and combustible materials.
Keep only in original container. Wear protective gloves and eye/face protection.
Wash hands thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if preset and eye to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Protect from sunlight. Store at temperatures not exceeding 32C/90F. Keep cool. Store away from other materials.

Disposal: Dispose of contents/container by incineration under controlled conditions in accordance with all local and national laws and regulations.

2.3 Other hazards which do not result in classification: N/A

2.4 Hazards Material Information System (United States):

Health	**2**
Flammability	**2**
Physical Hazard	**2**

Hazard Codes: *=Chronic Hazard 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Chemical Identity	CAS No.	Concentration
Dibenzoyl Peroxide	94-36-0	47-50%
PLASTICIZER (Proprietary, Ester based, non-Pthalate)	800951-5002-p	25-30%
WATER	7732-18-5	10-19%
SURFACTANT (Proprietary, Ethoxylated Alkyl Phenol)	800951-5003-P	1-3%
Fumed Silica	7631-86-9	1-2%
CALCIUM CARBONATE	471-34-1	1-2%

4.0 FIRST-AID MEASURES

4.1 Description of necessary first-aid measures:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If you fell unwell, get medical attention immediately.

Skin: Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. If signs/symptoms develop, get medical attention. Wash clothing before reuse.

Ingestion: Do not induce vomiting, get medical attention immediately.

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

4.2 Most Important symptoms/effects, acute and delayed:

Potential Health Effects: Eyes; Vapor or mist causes eye irritation. Splashes cause severe irritation with stinging pain and tears.

Skin: Causes irritation with redness and pain, and skin sensitization in some individuals. Stinging or burning sensation may occur for a brief time after application to skin.

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

Inhalation: Decomposition products are toxic and inhalation of the products can produce life threatening health effects.

4.3 Indication of immediate medical attention and special treatment needed, if necessary: N/A

5.0 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: Dry Chemical or carbon dioxide. Water to cool containers. Water or foam may cause frothing.

5.2 Specific hazards arising from the chemical: Flash Point is 184°F (84°C).

5.3 Special protective actions for fire-fighters: Wear full protective clothing and NIOSH- approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Remove all sources of ignition, ventilate area of leak or spill.

6.2 Methods and materials for containment and clean up:

Contain discharged material. Spill can be mixed with water wetted vermiculite, swept up and then placed into appropriate plastic containers for immediate disposal.

7.0 HANDLING AND STORAGE

7.1 Precautions for safe handling: Avoid strong acids, strong alkalis, polymerization accelerators (Cobalt Napthanates, DMA, DEA).

7.2 Conditions for safe storage, including any incompatibilities: Stores best below 90°F, Black Cream Hardener has a 12 month shelf life, Red and White Cream Hardener have an 18 month shelf life.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	CAS No.	EINECS	Percent	Exposure Limits	Source
Dibenzoyl Peroxide	94-36-0	202-327-6	50%	5mg/m3 PEL 5mg/m3 TLV	OSHA ACGIH

8.2 Appropriate engineering controls: N/A

8.3 Individual protection measures, such as personal protective equipment:

Eye Protection: Chemical safety glasses. A full-face shield and vapor respirator is recommended for operations involving spraying or other operations placing this material under pressurized conditions.

Hand Protection: Neoprene rubber gloves. Impermeable gloves. Nitrile rubber gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.

Respiratory protection: Not required under normal conditions and in a well-ventilated workplace. At elevated temperatures, a cartridge mask National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors may be appropriate.

Protective clothing: Long sleeved clothing.

Work and hygienic practices: Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking or using the toilet.

Notice: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all requisite workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), as well as the instructions/specifications provided by the glove supplier.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance (physical state, color, etc.): Thixotropic Paste, White, Red, Black, Blue

9.2 Odor: Ester-type odor

9.3 Odor threshold: N/A

9.4 pH: Not Determined

9.5 Melting point/freezing point: Not Determined

9.6 Initial boiling point and boiling range: (Dibenzoyl Peroxide) Decomposes explosively above 55ºC

9.7 Flash Point: 184°F (84°C) Setaflash

9.8 Evaporation rate: N/A

9.9 Flammability (solid, gas): N/A

9.10 Upper/lower flammability or explosive limits: LFL-Not Determined; UFL-Not Determined

9.11 Vapor pressure: 0.67-0.93 kPa

9.12 Vapor density: N/A

9.13 Relative density (Specific gravity): 1.30-1.33

9.14 Solubility(ies): Negligible

9.15 Partition coefficient; n-octanol/water: N/A

9.16 Auto-ignition temperature: N/A

9.17 Decomposition temperature (SADT): 55°C

9.18 Viscosity: N/A

9.19 VOC Content: 0 g/liter (0%)

10.0 STABILITY AND REACTIVITY

10.1 Reactivity: N/A

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: Will occur

10.4 Conditions to avoid: excessive heat; contaminates; ignition sources

10.5 Incompatible materials: Strong acids, accelerators

10.6 Hazardous decomposition products: Flammable

11.0 TOXICOLOGICAL INFORMATION

11.1 Likely routes of exposure: Skin, Eye, Inhalation, Ingestion

11.2 Symptoms related to the physical, chemical and toxicological characteristics:

Acute toxicity: This finished product has not been tested to determine individual toxicological/ecological limits. Individual components of this mixture have been independently tested by the raw material manufacturers and any known results have been presented below. The results for the individual components may not be representative of the toxicity of this finished product.

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Sensitization:

Respiratory: May cause allergic respiratory reaction.

Skin: May cause allergic skin reaction.

Signs and symptoms of exposure: Depending on the intensity and duration of exposure, effects may vary from mild irritation to severe destruction of tissue.

11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:

Chronic exposure: CARCINOGEN; Result: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Chronic exposure: MUTAGEN; Result: Laboratory experiments have shown mutagenic effects.

11.4 Numerical measures of toxicity: N/A

12.0 ECOLOGICAL INFORMATION

12.1 Ecotoxicity: There is not any data on aquatic life effects or the environmental fate.

12.2 Persistence and degradability: N/A

12.3 Bioaccumulative potential: N/A

12.4 Mobility in soil: N/A

12.5 Other adverse effects: N/A

13.0 DISPOSAL CONSIDERATIONS

13.1 Disposal methods: Preferred method of disposal includes incineration under controlled conditions in accordance with all local and national laws and regulations. The generation of waste should be avoided or minimized wherever possible. Untreated material is not suitable for disposal. Waste, even small quantities, should never be poured down drains, sewers or watercourses. Waste must be disposed of in accordance with federal, state and local environmental control regulations. This material, when properly mixed and cured with its resin component at the proper mix ratio, may be safely landfilled.

Contaminated packaging: Empty containers can only be disposed of when the remaining product adhering to the container walls has been removed. Hazard warning labels should be removed from the container only after it has been properly emptied.

14.0 TRANSPORT INFORMATION

14.1 UN number: UN-3108

14.2 UN proper shipping name: Organic Peroxide Type E, Solid (50% Dibenzoyl Peroxide)

14.3 Transport hazard class(es): 5.2

14.4 Packing group, if applicable: II

14.5 Environmental hazards: N/A

14.6 Transport in bulk: N/A

14.7 Special precautions for user: The following must be typed on Dangerous Goods paperwork THE PACKAGE CONTAINING UN3108 MUST BE SHADED FROM DIRECT SUNLIGHT, STORED AWAY FROM ALL SOURCES OF HEAT, IN A WELL VENTILATED AREA.

15.0 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

TOXIC SUBSTANCE CONTROL ACT (TSCA) 12(b) COMPONENT(S): None

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class(es): Irritant. Sensitizer.

EPA SARA Title III Section 312 (40CFR370) hazard class: Immediate Health Hazard. Delayed Health Hazard.

EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level are: Dibenzoyl Peroxide, 50% (CAS#94-36-0**)**

CALIFORNIA PROPOSITION 65: SUBSTANCES (component(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986") None

16.0 OTHER INFORMATION

16.1 Date of Preparation: 03/24/2020

To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

The information in this Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the SDS is the latest one issued.