MSDS

SECTION 1 – Chemical Product and Company Identification

CATALYST SYSTEMS
U S Chemical & Plastics
Alco Industries Companies
PO Box 88
2290 Zimmerman Rd SE
Gnadenhutten, OH 44629
PH: 740-254-4311

CHEMTREC: 1-800-424-9300

PRODUCT NAME:	**CREAM HARDENER**
PRODUCT CODE:	**27640/White, 27641/Red, 27642/Green, 27643/Blue, 28050/Black, 28070/Lt. Red Additional Product Codes on Page 4.**
SYNONYM/CROSS REFERENCE:	**Polyester Cream Hardener/Polyester Catalyst, Benzoyl Peroxide Paste**
SCHEDULE B NUMBER:	**3815.90.0000**

SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS
ACUTE EFFECTS:
EYES: Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.
SKIN: Contact with skin can cause irritation, (minor itching, burning, and/or redness), dermatitis, defatting may be readily absorbed through the skin.
INHALATION: Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.
INGESTION: Ingestion can cause gastro-intestinal irritation, nausea, vomiting, diarrhea.

PRIMARY ROUTES OF EXPOSURE: Skin, inhalation

SECTION 3 – Composition, Information or Ingredients

INGREDIENTS	WGT%	CAS #
Benzoyl Peroxide	47.5 – 50.0	94-36-0

SECTION 4 – First Aid Measures

INHALATION: If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.
SKIN: For skin contact, wash promptly with soap and excess water.
EYES: For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.
INGESTION: If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

SECTION 5 – Fire-Fighting Measures

FIRE EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam
SPECIAL FIRE FIGHTING PROCEDURES: Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Closed containers exposed to high temperatures, such as fire conditions may rupture.

SECTION 6 – Accidental Release Measures

SPILLS, LEAK OR RELEASE: Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

SECTION 7 – Handling and Storage

STORAGE AND HANDLING: Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

SECTION 8 – Exposure Controls and Personal Protection

INGREDIENTS	CAS #	TLV/PEL
Benzoyl Peroxide	94-36-0	Combustible when dry: TLV 5 mg/m^3*

*Refer to 29 CFR 1910.0000, subpart Z.
Also see TLV for Chemical Substances and Physical Agents in the Work Environment (ACGIH).

RESPIRATORY PROTECTION: If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use an air-supplied respirator if necessary.
VENTILATION: Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.
PROTECTIVE GLOVES: To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.
EYE PROTECTION: Safety Glasses or goggles with splash guards or side shields.
OTHER PROTECTIVE EQUIPMENT: Wear protective clothing as required to prevent skin contact.

SECTION 9 – Physical and Chemical Properties

APPEARANCE: Red, white, blue, green, or light red paste
SPECIFIC GRAVITY: 1.20
VAPOR PRESSURE (mmHG): N/E
BOILING POINT: Decomposes
VAPOR DENSITY: (Air=1) >1
EVAPORATION RATE (Ethyl Ether = 1): <1
VOLATILES BY WEIGHT: 10 - 20%
SOLUBILITY IN WATER: Insoluble
FLASH POINT: 184°F/84°C
LOWER FLAMMABLE LIMIT %: N/E
UPPER FLAMMABLE LIMIT %: N/E
VOC: Grams/Liter = Nil
Lbs/Gallon = Nil

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SECTION 10 – Stability and Reactivity

STABILITY: Stable
CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.
INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Carbon.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – Toxicological Information

CHRONIC EFFECTS: Overexposure to this material has apparently been known to cause the following effects in lab animals: skin damage and tumors.

CARCINOGEN: YES __ NO X
TERATOGEN: YES __ NO X
MUTAGEN: YES __ NO X

Benzoyl Peroxide has caused tumorogenic effects in laboratory animals.

SECTION 12 – Ecological Information

None.

SECTION 13 – Disposal Considerations

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

SECTION 14 – Transport Information

For Ground Transport: In USA – In inner containers less than 500 grams each: Consumer Commodity ORM-D or Limited Quantity. In large containers, UN3108, Organic Peroxide Type E, Solid (≤ 52% Dibenzoyl Peroxide as a paste), 5.2, PG II.

For Air Transport: Must be re-boxed to UN specified packaging. UN3108, Organic Peroxide Type E, Solid (≤ 52% Dibenzoyl Peroxide as a paste), 5.2, Packaging Instruction 570.

For Ocean Transport: UN3108, Organic Peroxide Type E, Solid, 5.2, EMS#F-J, S-R (the activator is ≤ 52% Dibenzoyl Peroxide as a paste). Limited quantity if inner containers are less than 500 grams each.

SECTION 15 – Regulatory Information

CALIFORNIA PROPOSITION 65:
This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 313 SUPPLIER NOTIFICATION:

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CHEMICAL NAME	CAS	% BY WGT
Benzoyl Peroxide	94-36-0	47.5 – 50%

This information must be included in all MSDS that are copied and distributed for this chemical.

SECTION 16 – Other Information

HMIS RATING:	Health	2	4 = Extreme
	Fire	2	3 = High
	Reactivity	2	2 = Moderate
			1 = Slight
			0 = Insignificant
	Personal Protection - See Section VIII		

NOTE: ADDITIONAL PART NUMBERS:

Bulk Red	**27641** 27008, 27010, 27020, 27027, 27110, 27120, 27121, 27125, 27169, 27170, 27172, 27173, 27174, 27607, 27604, 27607, 27610, 27616, 27626, 27632, 27644, 27649, 27663, 27673, 27690, 27690-1, 27697, 27750, 27751, 28015, 28016, 28028, 28139, 28144, 28149, 28164, 28187
Bulk Lt. Red/Red Raspberry	**28070** 27032, 27034, 27111, 27128, 27171, 27633, 27656, 28071, 28143, 28148, 28153
Bulk Light Blue	**27642** 27615, 28169
Bulk Blue	**27643** 27012, 27022, 27041, 27112, 27115, 27122, 27160, 27603, 27619, 27622, 27628, 27634, 27646, 27665, 27675, 27676, 27677, 27678, 27679, 28029, 28030, 28136, 28141, 28146, 28151, 28156, 28159, 28163, 28165, 28167
Bulk White	**27640** 27014, 27024, 27036, 27038, 27114, 27124, 27132, 27168, 27201, 27211, 27621, 27627, 27647, 27648, 27664, 27674, 28025, 28031, 28042, 28043, 28059, 28145, 28150, 28171, 28184, 28185
Bulk Black	**28050** 27031, 27035, 27037, 27624, 27669, 28032, 28052, 28183, 28186
Bulk Green	**27638** 27637, 28038, 28147
Bulk Yellow	**27636** 27614, 28168

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ABBREVIATIONS

IARC = International Agency for Research on Cancer
ACGIH = American Conference of Governmental Industrial Hygienists
NIOSH = National Institute of Occupational Safety and Health
TLV = Threshold Limit Value
PEL = Permissible Emission Level
DOT = Department of Transportation
NTP = National Toxicology Program
N/AV = Not Available
N/AP = Not Applicable
N/E = Not Established
N/D = Not Determined

PREPARED BY:

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U S Chemical & Plastics
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PH: 740-254-4311

DATE REVIEWED: January 4, 2012
DATE REVISED: January 4, 2012
REVISION: Section 16

The information in the Material 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 Material 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 MSDS is the latest one issued.