



**Skim Coat (BS-C) & Cream Hardener (TS-CH)****2. COMPOSITION / INFORMATION ON INGREDIENTS (Continued)****Cream Hardener (TS-CH):**

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>Vapor Press.</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>LD50 Oral</u>	<u>LD50 Derm</u>	<u>LC50 Inhal.</u>	<u>LEL</u>
Benzoyl Peroxide	94-36-0	45-55	n. ap.	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	7710	n. av.	n. av.	n. ap.
Branched alkyl benzoate	131298-44-7	10-20	n. ap.	n. av.	n. av.	>5000	n. av.	n. av.	n. ap.
Non-ionic surfactant	9038-95-3	1-5	n. ap.	n. av.	n. av.	n. av.	500	n. av.	n. ap.

D means Dust, R means Respirable Dust, T means Thoracic Fraction, n. ap. means not applicable, n. av. means not available, LD50 Oral - rat mg/m<sup>3</sup>, LD50 Dermal - rabbit mg/m<sup>3</sup>, LC50 Inhalation - rat mg/m<sup>3</sup> unless otherwise specified.

**3. HAZARDS IDENTIFICATION—EMERGENCY OVERVIEW****Skim Coat (BS-C):**

**Primary Routes of Entry:** Inhalation, skin contact, eye contact, ingestion

**Exposure Effects—Acute and Chronic Inhalation**

**Acute:** Nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, central nervous system depression.

**Skin contact**

**Acute:** Extraction of natural oils with resulting dry skin, irritation, redness and dermatitis. Can pass through the skin into the blood.

**Eye contact**

**Acute:** Irritation, redness, pain, blurred vision, sensation of seeing halos around lights and reversible damage.

**Ingestion**

**Acute:** Gastrointestinal irritation, nausea, vomiting and diarrhea; kidney damage, blood system damage.

**Chronic:** Repeated overexposure may cause central nervous system damage, kidney damage, liver abnormalities, lung damage, cardiac abnormalities, reproductive organ damage, skin sensitization and dermatitis.

**Other Health Effects:** Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**Cream Hardener (TS-CH):**

**Primary Routes of Entry:** Skin contact, eye contact, ingestion.

**Exposure Effects—Acute and Chronic Inhalation**

**Acute:** NA

**Skin contact**

**Acute:** Irritation, redness, dry skin that may develop into dermatitis and skin allergy. If allergy develops, very low future exposures can cause itching and a skin rash.

**Eye contact**

**Acute:** Inflammation.

**Ingestion**

**Acute:** Gastrointestinal irritation, abdominal pain, nausea, vomiting.

**Chronic:** Repeated overexposure to this product may cause asthmatic effects, dermatitis, eye damage

**Other Health Effects:** None known.

**Skim Coat (BS-C) & Cream Hardener (TS-CH)****4. FIRST AID MEASURES****Skim Coat (BS-C):**

**Emergency and First Aid Procedures:** In all cases if symptoms persist, seek medical attention.

**Inhalation:** move to fresh air, give artificial respiration if necessary.

**Skin contact:** remove contaminated clothing, wash with soap and water or recognized skin cleaner. Do not use solvents or thinners.

**Eye contact:** contact lenses must be removed, flush with water for at least 15 minutes, consult a physician immediately.

**Ingestion:** drink one or two glasses of water to dilute. Do not induce vomiting. Consult a physician or poison control center immediately. Treat symptomatically

**Medical Conditions Prone to Aggravation:** Pulmonary conditions, skin disorders, eye disorders, liver conditions, kidney conditions, neurological disorders, allergies, pregnancy, reproductive system disorders.

**Cream Hardener (TS-CH):**

**Emergency and First Aid Procedures:** In all cases if symptoms persist, seek medical attention.

**Inhalation:** NA

**Skin contact:** remove contaminated clothing, wash with soap and water or recognized skin cleaner. Do not use solvents or thinners.

**Eye contact:** contact lenses must be removed, flush with water for at least 15 minutes, consult a physician immediately.

**Ingestion:** induce vomiting, consult a physician or poison control center immediately. Treat symptomatically

**Medical Conditions Prone to Aggravation:** Unknown.

**5. FIRE-FIGHTING MEASURES****Skim Coat (BS-C):**

**Flash Point (SFCC):** 93°F (34°C)

**Lower Explosive Limit:** 1.1

**Extinguishing Media:** foam, carbon dioxide, dry chemical or water fog or spray. Water jet or stream is unsuitable.

**Unusual Fire and Explosion Hazards:** Invisible vapors may travel to source of ignition and flash back. Since vapors are heavier than air, dangerous concentrations may not be apparent to casual observation. Keep containers tightly closed, isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Fire will produce dense black smoke containing hazardous products of combustion. Symptoms may not be immediately apparent. Obtain medical attention.

**Special Fire Fighting Procedures:** Water should be used to cool containers exposed to fire. Fire fighting personnel should wear self-contained breathing apparatus.

**Cream Hardener (TS-CH):**

**Flash Point (SFCC):** greater than 212°F (100°C)

**Lower Explosive Limit:** NA

**Extinguishing Media:** foam, carbon dioxide, dry chemical or water fog or spray. Water jet or stream is unsuitable.

**Unusual Fire and Explosion Hazards:** Part of the oxygen for the fire comes from the material itself. Fire hazard increases as the material dries.

**Special Fire Fighting Procedures:** Water should be used to cool containers exposed to fire. Fire fighting personnel should wear self-contained breathing apparatus

**6. ACCIDENTAL RELEASE MEASURES****Skim Coat (BS-C):**

**Steps to Be Taken In Case Material Is Released Or Spilled:** Remove all sources of ignition. Avoid breathing vapors, ventilate confined area. Remove with inert absorbent (vermiculite, clay, Oil-Dry®, Kitty Litter, etc.) using non-sparking tools. Transfer to a sealed metal container. Dispose of as hazardous waste.

**Cream Hardener (TS-CH):**

**Steps to Be Taken in Case Material is Released or Spilled:** Wipe up excess with cloth or paper towel. Transfer to a sealed metal container. Dispose of as hazardous waste

Wash up any slight residue with detergent in water.

**Skim Coat (BS-C) & Cream Hardener (TS-CH)**

**7. HANDLING, USE AND STORAGE**

**Skim Coat (BS-C):**

**Precautions to Be Taken In Handling and Storing:** Minimize contact between the worker and this material. Do not transfer to unlabeled containers. No smoking. Store containers out of sun and away from heat, sparks, and open flames. Close all containers after each use. Consult NFPA and local codes for additional storage requirements.

**Hygienic Practices:** Do not eat, drink or smoke in work areas. Wash hands before eating, smoking, or using the toilet. Launder clothing before reuse.

**Other Precautions:** Vapors are heavier than air and may travel along floors. Use explosion proof equipment in areas where there is spraying or open containers. Do not take internally. Observe label precautions. Keep closures tight and container upright to prevent leakage. Avoid breathing sanding dust. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by regulations. Material has an offensive odor. Prolonged exposure may reduce the user's sensitivity to the odor, thus reducing the effectiveness of odor as a warning against exposure.

**Cream Hardener (TS-CH):**

**Precautions to Be Taken In Handling and Storing:** Minimize contact between the worker and this material. Keep material sealed to prevent contamination.

**Hygienic Practices:** Do not eat, drink or smoke in work areas. Wash hands before eating, smoking, or using the toilet. Launder clothing before reuse.

**Other Precautions:** Do not take internally. Observe label precautions. Keep closures tight and container upright to prevent leakage. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by regulations.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Skim Coat (BS-C):**

**Primary Routes of Entry:** Inhalation, skin contact, eye contact, ingestion.

**Personal Protective Equipment:** All personal protective equipment should meet NIOSH or OSHA requirements.

**Respiratory Protection:** If monitoring demonstrates levels above TLV or PEL wear a NIOSH/MSHA approved respirator device. See safety equipment supplier for evaluation and recommendation.

**Ventilation:** Provide sufficient ventilation to keep vapor concentration below the given TLV and/or PEL.

**Protective Gloves:** Use solvent resistant gloves. Barrier creams are not substitutes for full physical protection. Refer to safety equipment supplier for effective glove recommendations.

**Eye Protection:** Use safety goggles or face shield designed to protect against splash of liquids when working with open liquids such as during mixing or pouring.

**Other Protective Equipment:** Eye bath should be available.

**Cream Hardener (TS-CH):**

**Primary Routes of Entry:** Skin contact, eyes, ingestion.

**Personal Protective Equipment:** All personal protective equipment should meet NIOSH or OSHA requirements.

**Respiratory Protection:** Not necessary when only handling Cream Hardener.

**Ventilation:** No special ventilation required.

**Protective Gloves:** Use solvent resistant gloves. Barrier creams are not substitutes for full physical protection. Refer to safety equipment supplier for effective glove recommendations.

**Eye Protection:** Use safety glasses when only handling The Cream Hardener.

**Other Protective Equipment:** Eye bath should be available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

	<u>Skim Coat</u>	<u>Cream Hardener</u>
<b>Evaporation Rate:</b>	Slower than ether	Not Applicable
<b>Vapor Density:</b>	3.6	Not Applicable
<b>Vapor Pressure:</b>	4.5 mm Hg	Not Applicable
<b>Weight per Gallon (Specific Gravity):</b>	9.7 lb/gal (1.16)	10.0 (1.2)
<b>Appearance and Odor:</b>	beige paste, offensive odor	blue paste, slightly sweet ester-like odor

**Skim Coat (BS-C) & Cream Hardener (TS-CH)****10. STABILITY AND REACTIVITY****Skim Coat (BS-C):**

**Stability:** Stable under non-emergency conditions.

**Materials to Avoid:** Alkalis, acids, oxidizers, alkali metals, halogenated solvents, nitric acid, halogen compounds, water, sodium hydroxide.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Heat, open flame, sparks, high humidity, light, water, moisture

**Hazardous Combustion Products:** Oxides of carbon, toxic fumes, various hydrocarbons, aldehydes.

**Cream Hardener (TS-CH):**

**Stability:** Stable

**Materials to Avoid:** Dimethylaniline, cobalt naphthenate, accelerators, reducing agents.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Heat, open flame, sparks.

**Hazardous Combustion Products:** Dense white smoke of benzoic acid, phenyl benzoate, terphenyls, biphenyls, benzene and carbon dioxide.

**11. TOXICOLOGICAL INFORMATION****Skim Coat (BS-C):**

**Carcinogenicity (risk of cancer):** Styrene is listed by IARC as possibly carcinogenic to humans (Group 2B). The IARC 2B classification is not based on significant new evidence that styrene might be a carcinogen, but on a revised IARC classification scheme and new data on styrene oxide.

**Sensitization:** (effects of repeated exposure): This product may cause skin and inhalation sensitization to certain individuals.

**Teratogenicity:** (risk of malformation in an unborn fetus): None known

**Reproductive Toxicity:** (risk of sterility): None known

**Mutagenicity (risk of inheritable genetic effects):**

Mutation data has been reported for styrene.

**Threshold Limit Value:** None established for this product. For further information, see Section 2—Hazardous Ingredients

**Cream Hardener (TS-CH):**

**Carcinogenicity (risk of cancer):** None known to IARC, ACGIH, or OSHA

**Sensitization** (effects of repeated exposure): This product may cause skin sensitization to certain individuals.

**Teratogenicity** (risk of malformation in an unborn fetus): None Known

**Reproductive Toxicity** (risk of sterility): None Known

**Mutagenicity (risk of heritable genetic effects):** Mutation data has been reported.

**Threshold Limit Value:** None established for this product. For further information, see Section 2—Hazardous Ingredients

**12. ECOLOGICAL INFORMATION****Skim Coat (BS-C):**

**General Information:** Avoid runoff into ground, storms or sewer that lead into waterways. Water runoff can cause environmental damage. The nature and packaging size of this product minimizes the potential for adverse ecological impact.

**Environmental Impact Data (percentage by weight):**

**VOCs:** 20% by weight **Ozone Depleters:** none **Heavy Metals:** none. There are extensive ecological data available on the various components of these products. An adequate representation of all these data is beyond the scope of this document.

**Cream Hardener (TS-CH):**

**General Information:** Avoid runoff into ground, storms or sewer that lead into waterways. Water runoff can cause environmental damage. The nature and packaging size of this product minimizes the potential for adverse ecological impact.

**Environmental Impact Data (percentage by weight):**

**VOCs:** none **Ozone Depleters:** none **Heavy Metals:** None. There are extensive ecological data available on the various components of these products. An adequate representation of all these data is beyond the scope of this document.

**Skim Coat (BS-C) & Cream Hardener (TS-CH)****13. DISPOSAL CONSIDERATIONS****Skim Coat (BS-C):**

**Waste Disposal Method:** Dispose of in accordance with federal, state or provincial and local pollution regulations. This information applies only to the material as manufactured; processing, use or contamination may make this information inappropriate, inaccurate or incomplete. The generator of the waste has the responsibility for proper waste classification, transportation and disposal.

**Other Information:** When discarded this product meets the hazard criteria of "ignitability" and "toxicity" and must be considered as hazardous waste D001.

**Cream Hardener (TS-CH):**

**Waste Disposal Method:** Dispose of in accordance with federal, state or provincial and local pollution regulations. This information applies only to the material as manufactured; processing, use or contamination may make this information inappropriate, inaccurate or incomplete. The generator of the waste has the responsibility for proper waste classification, transportation and disposal.

**Other Information:** When discarded in its supplied form, this product is not regulated.

**14. TRANSPORT INFORMATION****Skim Coat (BS-C):**

**US Ground Shipments:** Consumer Commodity ORM-D

**Cream Hardener (TS-CH):**

Not regulated for ground shipments inside the United States and Canada.

**15. REGULATORY INFORMATION****Skim Coat (BS-C):**

**OSHA:** This product is considered hazardous under the Federal OSHA Hazard Communication Standard.

**WHMIS:** B2; D1A; D2A

**SARA Title III:**

**Section 302 Extremely Hazardous Substances:** None

**Section 311 / 312 Hazard Categories:** Immediate health, delayed health, fire hazard.

**Section 313 Toxic Chemicals:** styrene. You may be required to submit this MSDS to state and local emergency response agencies (SERC & LEPC) and to your local fire department. Also, you may be affected by other sections of this law, depending on the chemicals and amounts that you inventory at your location. To learn more about your responsibilities, call the EPA Hotline (800) 535-0202.

**TSCA status:** All ingredients are TSCA registered.

**Proposition 65 WARNING:** This product contains a chemical known to the State of California to cause cancer.

**CEPA status:** All ingredients are listed on the DSL or NDSL.

**NFPA 704:** Health: 2 Flammability: 2 Reactivity: 0

**Cream Hardener (TS-CH):**

**OSHA:** This product is considered hazardous under the Federal OSHA Hazard Communication Standard.

**WHMIS:** D1B; D2B

**SARA Title III:**

**Section 302 Extremely Hazardous Substances:** None

**Section 311 / 312 Hazard Categories:** Immediate health, delayed health.

**Section 313 Toxic Chemicals:** benzoyl peroxide. You may be required to submit this MSDS to state and local emergency response agencies (SERC & LEPC) and to your local fire department. Also, you may be affected by other sections of this law, depending on the chemicals and amounts that you inventory at your location. To learn more about your responsibilities, call the EPA Hotline (800) 535-0202

**TSCA status:** All ingredients are TSCA registered.

**CEPA status:** All ingredients are listed on the DSL or NDSL.

**NFPA 704:** Health 2, Fire 1, Reactivity 1

**16. OTHER INFORMATION**

Do not handle until safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact.

**DISCLAIMER:** The information contained in this MSDS is believed to be accurate and reliable as of the date indicated. **Crest Industries, Inc.** assumes no legal responsibility and makes no representation, warranty or guarantee, expressed or implied, as to the completeness or accuracy of the information. It is offered solely for your consideration, investigation and verification. The user is ultimately responsible for the safe use of the material in accordance with applicable federal, state, provincial and local laws and regulations.