



Pro Form Products Ltd.  
604 McGeachie Drive  
Milton, Ontario, L9T 3Y5  
Canada  
905-878-4990

**PRODUCT: PF 127 REVOLUTION PREMIUM FINISHING PUTTY**

### SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.  
604 McGeachie Drive  
Milton, Ontario L9T3Y5  
Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... PF 127 REVOLUTION PREMIUM FINISHING PUTTY

Recommended use and restrictions on .. Automotive.  
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.

HMIS..... H: 2 F: 3 R: 0.

24 hour emergency number..... For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);  
IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.  
\*\* For medical emergencies contact your local poison control centre \*\*.

### SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.

Hazard Classification..... Flammable Liquid 3. Aspiration Toxicity 1. Skin Sensitizer — Category 1. Acute Toxicity 4. Respiratory Sensitizer — Category 1. Carcinogenicity — Category 1. Specific Target Organ Toxicity — Repeated Exposure — Category 1.

Hazard Description..... H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H350 This product contains ingredients that may cause cancer. H372 Causes damage to organs through prolonged or repeated exposure.

Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves and eye protection. P260 Do not breathe mist, vapours, or spray. P271 Use only outdoors or in a well ventilated area. P284 In case of inadequate ventilation wear respiratory protection. P272 Contaminated work clothing should not be allowed out of the workplace. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke while using this product.

Response ..... P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P302 + P352 - If on skin: wash with plenty of water. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P342 + P311 If experiencing respiratory symptoms; call poison center or doctor. P308 + P313 If exposed or concerned, get medical advice/attention. P321 - For specific treatment see section 4 on this SDS.

Storage..... P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

**PRODUCT: PF 127 REVOLUTION PREMIUM FINISHING PUTTY****SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

| CHEMICAL NAME AND SYNONYMS        | CAS #      | WT. % |
|-----------------------------------|------------|-------|
| Styrene                           | 100-42-5   | 17-21 |
| Talc                              | 14807-96-6 | 15-25 |
| Titanium Dioxide                  | 13463-67-7 | 1-3   |
| Crystalline silica                | 14808-60-7 | <0.5  |
| 2-Phenoxyethanol                  | 122-99-6   | 0.1-1 |
| Tetrahydrophthalic acid anhydride | 85-43-8    | 0.1-1 |

**SECTION 04: FIRST-AID MEASURES**

|                             |   |
|-----------------------------|---|
| Eye contact.....            | In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.   |
| Skin contact.....           | Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention.                                  |
| Inhalation.....             | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.   |
| Ingestion.....              | If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person. |
| Additional information..... | Treat victims symptomatically. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.  |

**SECTION 05: FIRE-FIGHTING MEASURES**

|  |   |
|--|---|
| Suitable and unsuitable extinguishing media  | "Alcohol" foam, CO2, dry chemical. Water fog.   |
| Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products | Oxides of carbon (CO, CO2). Hydrocarbon fumes and smoke.  |
| Special protective equipment and precautions for fire-fighters   | Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. |

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

|                 |   |
|-----------------|---|
| Leak/spill..... | Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations. Absorb with earth, sand, or another dry inert material. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%). Prevent runoff into drains, sewers, and other waterways. |
|-----------------|---|

**SECTION 07: HANDLING AND STORAGE**

|  |   |
|--|---|
| Precautions for safe handling.....                           | Keep away from heat, sparks, and open flame. Ground handling equipment. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Employees should wash hands and face before eating or drinking. Avoid breathing vapours or mist. Handle and open container with care. |
| Conditions for safe storage, including any incompatibilities | Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight. Containers must be grounded.   |

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**PRODUCT: PF 127 REVOLUTION PREMIUM FINISHING PUTTY****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

| INGREDIENTS                       | ACGIH TLV                                       |                 | PEL             | OSHA PEL        |                 | REL             | NIOSH |
|-----------------------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-------|
|                                   | TWA   | STEL            |                 | STEL            | STEL            |                 |       |
| Styrene                           | 20 ppm<br>CA ON: 35ppm (TWA), 100ppm (STEL)     | 40 ppm          | 100 ppm         | Not established | Not established | 100 ppm         |       |
| Talc                              | 2 mg/m3<br>CA ON: 2mg/kg (TWA)                  | Not established | 2 mg/m3 TWA     | Not established | Not established | Not established |       |
| Titanium Dioxide                  | 10 mg/m3<br>CA ON: 10 mg/m3 (TWA)               | Not established | 15 mg/m3        | Not established | Not established | Not established |       |
| Crystalline silica                | Not Established<br>CA ON: 0.10 mg/m3 (Resp) TWA | Not Established |       |
| 2-Phenoxyethanol                  | No data<br>No data                              | No data         | No data         | No data         | No data         | No data         |       |
| Tetrahydrophthalic acid anhydride | Not established                                 | Not established | Not established | Not established | Not established | Not established |       |

**Personal Protective Equipment**

|                                       |   |
|---------------------------------------|---|
| Eye/type.....                         | Liquid chemical goggles.  |
| Respiratory/type.....                 | Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.   |
| Gloves/ type.....                     | Chemical resistant gloves.  |
| Clothing/type.....                    | Wear adequate protective clothes.   |
| Footwear/type.....                    | Safety boots per local regulations.   |
| Other/type.....                       | Emergency showers and eye wash stations should be available.  |
| Appropriate engineering controls..... | Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation should be used at sources of air contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation. |

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

|  |                                 |
|--|---------------------------------|
| Appearance/Physical state.....                     | Paste.                          |
| Colour.....  | White.                          |
| Odour.....   | Hydrocarbon odour.              |
| Odour threshold (ppm).....                         | 0.15-25 ppm (Styrene).          |
| Vapour pressure (mm Hg).....                       | 4.5 mmHg @ 20C (styrene).       |
| Vapour density (air=1).....                        | 3.6 (Styrene).                  |
| pH.....  | Not applicable.                 |
| Relative Density (Specific Gravity).....           | 1.07 - 8.944 lb/usg.            |
| Melting / Freezing point (deg C).....              | Not available.                  |
| Solubility.....                                    | Slightly soluble in water.      |
| Initial boiling point / boiling range (deg C)..... | 145°C.                          |
| Evaporation rate.....                              | Not available.                  |
| Flash point (deg C), method.....                   | 31. (estimated).                |
| Auto ignition temperature (deg C).....             | 490°C.                          |
| Upper flammable limit (% vol).....                 | 6.8.                            |
| Lower flammable limit (% vol).....                 | 0.9.                            |
| Partition coefficient — n-octanol/water.....       | Not available.                  |
| VOC (less water).....                              | 0.40 lbs/USG.                   |
| Viscosity.....                                     | 116,000 cps @ 10 rpm spindle D. |

**SECTION 10: STABILITY AND REACTIVITY**

|   |  |
|---|--|
| Chemical stability.....   | Stable at normal temperatures and pressures.   |
| Reactivity .....  | Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.   |
| Possibility of hazardous reactions.....                                   | Will not occur under normal temperature and pressure. At elevated temperature (>77 C); Product can undergo hazardous polymerization. Polymerization can generate sufficient heat to cause violent explosion. |
| Conditions to avoid, including static discharge, shock or vibration ..... | Keep away from heat. Incompatible with strong oxidizers. Organic peroxides.  |
| Hazardous decomposition products.....                                     | See hazardous combustion products section 5.   |

**PRODUCT: PF 127 REVOLUTION PREMIUM FINISHING PUTTY****SECTION 11: TOXICOLOGICAL INFORMATION**

| INGREDIENTS                             | LC50   | LD50  |
|---|--|---|
| Styrene                                 | 2770 ppm 4 hr rat  | 5000 mg/kg rat oral   |
| Talc                                    | Not available  | Not available   |
| Titanium Dioxide                        | >6.8 mg/L (4 hr)   | >10,000 mg/kg (rat, oral)<br>>10,000 mg/kg (rabbit, dermal) |
| Crystalline silica                      | Not Available  | Not Available   |
| 2-Phenoxyethanol                        | No data  | 1260 mg/kg Oral Rat   |
| Tetrahydrophthalic acid anhydride       | No data  | 5410 mg/kg rat oral   |
| Route of exposure.....                  | Eye contact. Skin contact. Inhalation.   |   |
| Effects of acute exposure.....          | The aromatic hydrocarbon solvents in this product can be irritating to the eyes, nose and throat. In high concentration, they may cause central nervous system depression and narcosis characterized by nausea, lightheadedness and dizziness from overexposure by inhalation.   |   |
| Effects of chronic exposure.....        | Prolonged or repeated exposure may lead to allergic skin reactions. Prolonged or repeated exposure may result in an allergic respiratory reaction in sensitive individuals. This product contains crystalline silica. Excessive long-term exposure to crystalline silica may cause silicosis, a form of disabling, progressive and sometimes fatal fibrotic lung disease. Severe and permanent lung damage may result. Prolonged or repeated exposure may lead to kidney or central nervous system symptoms. May cause damage to the respiratory system, lungs, eyes, skin and central nervous system. |   |
| Sensitizing capability of material..... | May cause sensitization by skin contact. May cause sensitization by inhalation.  |   |
| Carcinogenicity of material.....        | Styrene is classified by IARC as a Group 2B carcinogen. Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen. IARC has classified Titanium Dioxide as a group 2B carcinogen. This product contains non-asbestiform Talc, which is classified as a Group 3 (not classifiable as to carcinogenicity to humans) by IARC .   |   |

**SECTION 12: ECOLOGICAL INFORMATION**

Environmental..... Do not allow to enter waters, waste water or soil.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal and methods of disposal, including any contaminated packaging . Empty containers must be handled with care due to product residue. This material and its container must be disposed of as hazardous waste. Avoid release to the environment.

**SECTION 14: TRANSPORT INFORMATION**

TDG Classification..... UN3269 - Polyester Resin Kit - Class 3 - Packing Group III - This product meets the criteria for Limited Quantity Exemptions when packaged in containers less than 5 litres .  
 IATA Classification (Air)..... UN3269 - Polyester Resin Kit - Class 3 - Packing Group III.  
 IMDG Classification (Marine)..... UN3269 - Polyester Resin Kit - Class 3 - Packing Group III - EmS: F-E S-D.  
 Marine Pollutant..... No.  
 Proof of Classification..... In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

**SECTION 15: REGULATORY INFORMATION**

WHMIS 1988 classification..... B2, D2A, D2B.  
 CEPA status..... A component of this product is not on the NDSL.  
 TSCA inventory status..... All components are listed.  
 OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.  
 SARA Title III  
 Section 302 - extremely hazardous ..... None.  
 substances  
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.  
 Section 313..... Styrene.  
 EPA hazardous air pollutants (HAPS) ..... Styrene.  
 40CFR63  
 California Proposition 65..... \*WARNING: This product contains a chemical known to the State of California to cause cancer. (Styrene). (Titanium dioxide - airborne, unbound particles of respirable size). (Silica, crystalline (airborne particles of respirable size).

**PRODUCT: PF 127 REVOLUTION PREMIUM FINISHING PUTTY****SECTION 16: OTHER INFORMATION**

Prepared by: ..... REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com.  
Telephone number:..... (800) 387-7981.  
Disclaimer:..... DISCLAIMER: All information appearing herein is based upon data obtained from  
experience and recognized technical sources. To the best of our knowledge, it is believed  
to be correct as of the date of issue but we make no representations as to its accuracy or  
sufficiency and do not suggest or guarantee that any hazards listed herein are the only  
ones which exist. The hazard information contained herein is offered solely for the  
consideration of the user, subject to his own investigation and verification of compliance  
with applicable regulations, including the safe use of the product under every foreseeable  
condition. The information relates only to the product designated herein, and does not  
relate to its use in combination with any other material or in any other process.

Review Date:..... 2022-11-30.  
Date of the latest revision of the safety .. 2017-04-19  
data sheet



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Canada  
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**PRODUCT: BLUE CREAM HARDENER**

### SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.  
604 McGeachie Drive  
Milton, Ontario L9T3Y5  
Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... BLUE CREAM HARDENER

Recommended use and restrictions on .. Accelerator and activator.  
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 1 Reactivity: 1.

HMIS..... H: 2 F: 1 R: 1.

24 hour emergency number..... For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);  
IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.  
\*\* For medical emergencies contact your local poison control centre \*\*.

### SECTION 02: HAZARD IDENTIFICATION



Signal Word..... WARNING.

Hazard Classification..... Organic Peroxides — Type E. Skin Sensitizer — Category 1. Eye Irritation — Category 2A.

Hazard Description..... H242 Heating may cause a fire. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

Prevention..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P234 Keep only in original packaging. P235 Keep cool. P240 Ground and bond container and receiving equipment. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection.

Response ..... P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until medical help arrives. P337 + P313 - If eye irritation persists get medical attention. P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P321 - For specific treatment see section 4 on this SDS.

Storage..... P403 Store in a well ventilated area. P410 Protect from sunlight. P411 Store at temperatures not exceeding 38°C / 100°F. P420 Store separately.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Note ..... This product mixture has been classified based on its ingredients.

### SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME AND SYNONYMS    | CAS #       | WT. % |
|-------------------------------|-------------|-------|
| Benzoyl peroxide              | 94-36-0     | 50-55 |
| C9-11-branched alkyl benzoate | 131298-44-7 | 15-20 |

### SECTION 04: FIRST-AID MEASURES

Eye contact..... In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.

Skin contact..... Immediately remove all contaminated clothing, flush skin with water for at least 15 minutes. Wash clothing before reuse. If irritation persists, seek medical attention. Wash skin with soap and water.

**PRODUCT: BLUE CREAM HARDENER****SECTION 04: FIRST-AID MEASURES**

|   |   |
|---|---|
| Inhalation.....   | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.   |
| Ingestion.....  | Do not induce vomiting. If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person. |
| Most important symptoms and effects, ..... whether acute or delayed | Can cause skin sensitization. Causes serious eye irritation.  |
| Additional information.....   | Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.              |

**SECTION 05: FIRE-FIGHTING MEASURES**

|  |  |
|--|--|
| Suitable and unsuitable extinguishing media  | "Alcohol" foam, CO <sub>2</sub> , dry chemical. Do not use water in a jet.   |
| Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products | Thermal decomposition products are toxic. May include: Oxides of carbon (CO, CO <sub>2</sub> ). Emits toxic fumes under fire conditions.   |
| Special protective equipment and precautions for fire-fighters   | Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. |
| Unusual fire / explosion hazards.....  | Vapours may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapour source. This material is an oxidizer and may increase the intensity of any fire and the possibility of an explosion.   |

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

|                 |  |
|-----------------|--|
| Leak/spill..... | Ventilate. Eliminate all sources of ignition. Isolate area and keep unauthorized people away. Do not walk through spilled material. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Recover spilled material and place in suitable containers for recycling or disposal. Avoid solvent cleaners. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations. |
|-----------------|--|

**SECTION 07: HANDLING AND STORAGE**

|  |   |
|--|---|
| Precautions for safe handling.....                           | Keep away from heat, sparks, and open flame. Do not breathe vapours, mist or dust. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Handle in accordance with good industrial hygiene and safety practices. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Handle and open container with care. Employees should wash hands and face before eating or drinking. |
| Conditions for safe storage, including any incompatibilities | Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from strong oxidizers. Store away from acids.   |

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

| INGREDIENTS                           | TWA  | ACGIH TLV<br>STEL | PEL                 | OSHA PEL<br>STEL | REL | NIOSH                   |
|---------------------------------------|--|-------------------|---------------------|------------------|-----|-------------------------|
| Benzoyl peroxide                      | 5 mg/m <sup>3</sup>  | Not Established   | 5 mg/m <sup>3</sup> | Not Established  |     | 5 mg/m <sup>3</sup> TWA |
| C9-11-branched alkyl benzoate         | No data  |                   |                     |                  |     |                         |
| Respiratory/type.....                 | Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.                  |                   |                     |                  |     |                         |
| Eye/type.....                         | Liquid chemical goggles.   |                   |                     |                  |     |                         |
| Gloves/ type.....                     | Chemical resistant gloves.   |                   |                     |                  |     |                         |
| Clothing/type.....                    | Wear adequate protective clothes.  |                   |                     |                  |     |                         |
| Footwear/type.....                    | Safety boots per local regulations.  |                   |                     |                  |     |                         |
| Other/type.....                       | Emergency showers and eye wash stations should be available.   |                   |                     |                  |     |                         |
| Appropriate engineering controls..... | Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Local mechanical exhaust ventilation should be used at sources of air |                   |                     |                  |     |                         |

**PRODUCT: BLUE CREAM HARDENER****SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Appropriate engineering controls..... contamination, such as open process equipment, or during purging operations, to capture gases and fumes that may be emitted. Standard reference sources regarding industrial ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about adequate ventilation.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state..... Paste / solid.  
 Colour..... Blue/white.  
 Odour..... No data.  
 Odour threshold (ppm)..... Not available.  
 pH..... No data.  
 Melting / Freezing point (deg C)..... No data.  
 Initial boiling point / boiling range (deg C). No data.  
 Flash point (deg C), method..... 94.  
 Evaporation rate..... No data.  
 Flammability (solids and gases)..... Not applicable.  
 Upper flammable limit (% vol)..... No data.  
 Lower flammable limit (% vol)..... No data.  
 Vapour pressure (mm Hg)..... No data.  
 Vapour density (air=1)..... No data.  
 Relative Density (Specific Gravity)..... 1.2.  
 Pounds / USG..... 10.  
 Solubility..... No data.  
 Partition coefficient — n-octanol/water..... Not available.  
 Auto ignition temperature (deg C)..... Not available.  
 Decomposition temperature..... Not available.  
 Viscosity..... Not available.  
 VOC (less water)..... 2.3 lbs/USG.

**SECTION 10: STABILITY AND REACTIVITY**

Chemical stability..... Stable at normal temperatures and pressures.  
 Reactivity ..... Hazardous polymerization will not occur. Avoid heat, sparks and flames.  
 Possibility of hazardous reactions..... Hazardous polymerization will not occur.  
 Conditions to avoid, including static ..... Avoid heat, spark, open flames.  
 discharge, shock or vibration  
 Incompatible materials..... Strong oxidizing agents. Acids.  
 Hazardous decomposition products..... No hazardous decomposition products when stored and handled correctly. See hazardous combustion products section 5.

**SECTION 11: TOXICOLOGICAL INFORMATION**

| INGREDIENTS                             | LC50  | LD50                   |
|---|---|------------------------|
| Benzoyl peroxide                        | >24.3 mg/L (4 hr., vapour)  | 7710 mg/kg (Rat, Oral) |
| C9-11-branched alkyl benzoate           | Not available   | Not available          |
| Route of exposure.....                  | Eye contact. Skin contact. Ingestion. Inhalation.   |                        |
| Effects of acute exposure.....          | Causes serious eye irritation. Contact with paste may result in irritation, redness, tearing, and blurred vision. May cause sensitization by skin contact. May cause skin irritation. |                        |
| Effects of chronic exposure.....        | Prolonged or repeated skin contact may cause drying or cracking of skin.  |                        |
| Carcinogenicity of material.....        | This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.   |                        |
| Reproductive effects.....               | No data.  |                        |
| Sensitizing capability of material..... | May cause sensitization by skin contact.  |                        |

**SECTION 12: ECOLOGICAL INFORMATION**

Environmental..... Do not allow to enter waters, waste water or soil. This material meets the definition of a marine pollutant.  
 Other adverse effects  
 Persistence and degradability..... Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal and methods of disposal, including any contaminated packaging . Empty containers must be handled with care due to product residue. Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.

**PRODUCT: BLUE CREAM HARDENER****SECTION 14: TRANSPORT INFORMATION**

|                                   |  |
|-----------------------------------|--|
| TDG Classification.....           | UN3108 - ORGANIC PEROXIDE TYPE E, SOLID (Benzoyl peroxide), Class 5.2, PG II. The product meets the Limited Quantity exemption when packaged in containers less than 0.5 kg. |
| DOT Classification (Road).....    | UN3108 - ORGANIC PEROXIDE TYPE E, SOLID (Benzoyl peroxide), Class 5.2, PG II. Limited quantity: 0.5 kg (solids).   |
| IATA Classification (Air).....    | UN3108 - ORGANIC PEROXIDE TYPE E, SOLID (Benzoyl peroxide), Class 5.2, PG II. Do not ship by air without checking appropriate IATA regulations.                              |
| IMDG Classification (Marine)..... | UN3108 - ORGANIC PEROXIDE TYPE E, SOLID (Benzoyl peroxide), Class 5.2, PG II. EmS-No: F-J, S-R. Check IMDG regulations for limited quantity exemptions.                      |
| Marine Pollutant.....             | Yes.   |
| Proof of Classification.....      | In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .             |

**SECTION 15: REGULATORY INFORMATION**

|  |   |
|--|---|
| CEPA status.....                                   | On Domestic Substances List (DSL).  |
| TSCA inventory status.....                         | All components are listed.  |
| OSHA.....  | This product is considered hazardous under the OSHA Hazard Communication Standard.  |
| SARA Title III                                     |   |
| Section 302 - extremely hazardous substances ..... | None.   |
| Section 311/312 - hazard categories.....           | Fire hazard. Reactive.  |
| Section 313.....                                   | Benzoyl peroxide.   |
| EPA hazardous air pollutants (HAPS) 40CFR63 .....  | None.   |
| California Proposition 65.....                     | This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity. For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |

**SECTION 16: OTHER INFORMATION**

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