

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

PRODUCT: 11284 REVOLUTION FLOWABLE BLENDING & FINISHING PUTTY

SECTION 01: Chemical product and company identification

Manufactured for..... Pro Form Products Ltd. 604 McGeachie Drive

Milton, Ontario L9T3Y5 Tel (905) 878-4990 Fax (905) 878-1189

11284 REVOLUTION FLOWABLE BLENDING & FINISHING PUTTY Product name.....

Recommended use and restrictions on use Automotive. Mixture. Health: 2 Fire: 3 Reactivity: 0. H: 2 F: 3 R: 0. Chemical family..... NFPA rating.....

HMIS.....

IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC); IN THE UNITED STATES 24 hour emergency number:..... CALL CHEMTREC 1-800-424-9300. .

SECTION 02: Hazards identification



Signal Word	DANGER.
Hazard Classification	Flammable Liquid 3. Aspiration Toxicity 1. Acute Toxicity 4. Carcinogen 1A. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category
Hazard Description	1. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H332 Harmful if inhaled. H350 This product contains ingredients that may cause cancer.
Prevention	H361 This product contains ingredients that are suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. 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
Response	precautionary measures against static discharge. P280 Wear protective gloves and eye protection. P261 Avoid breathing mists, vapours and sprays. P271 Use only outdoors or in a well ventilated area. P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P260 Do not breathe mist, vapours, or spray. P264 Wash hands thoroughly after handling. P270 Do not eat drink or smoke while using this product. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower. P370 + P378 In case of fire - use dry
	chemical powder, CO2 or foam to extinguish. 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. P308 + P313 If exposed or concerned, get medical advice/attention.
Storage	P403 + P233 Store in a well ventilated area. Keep container tightly closed. P405 Store locked up.
Disposal	P501 Dispose all unused, waste or empty containers in accordance with local regulations.

SECTION 03: Composition/Information on Ingredients			
HAZARDOUS INGREDIENTS	CAS#	WT. %	
Styrene	100-42-5	10-30	
Talc	14807-96-6	10-20	
Titanium Dioxide	13463-67-7	1-5	
Quartz	14808-60-7	0.1-1.0	
N,N-Dimethyacetamide	127-19-5	0.1-1	

PRODUCT: 11284 REVOLUTION FLOWABLE BLENDING & FINISHING PUTTY

SECTION 04: First aid measures

Eye contact	
Skin contact	least 15 minutes. Obtain medical attention. 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. Skin contact.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is
Ingestion	
	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	

SECTION 05: Fire fighting measures

Suitable and unsuitable extinguishing media "Alcohol" foam, CO2, dry chemical.

Special fire fighting procedures...... Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. 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. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Oxides of carbon (CO, CO2). By fire: protect against potentially toxic and irritating fumes.

Hazardous combustion products.....

SECTION 06: Accidental release measures

Personal precautions, protective equipment Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Ventilate. Open windows and doors to allow and emergency procedures

air circulation. Dike area to prevent spreading. The use of absorbent socks or spill pillows may be required. Stop leak if safe to do so. Prevent runoff into drains, sewers, and other

waterways.

cleaning up

Methods and materials for containment and Dike area to contain the spill, prevent runoff from going into drains, absorb residual material with an inert absorbent, shovel or pump to a properly labelled container and dispose of as a hazardous waste.

SECTION 07: Handling and storage

Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing Handling procedures.....

apparatus. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Avoid breathing vapours or mist. Ground handling equipment. Handle and open container with care. Employees should wash hands and face before eating or drinking. Keep away from

heat, sparks, and open flame.

Keep container closed when not in use. Store away from all sources of heat and ignition. Storage needs.....

Store away from oxidizing and reducing materials. Store away from sunlight.

SECTION 08: Exposure controls / personal protection

INGREDIENTS	TWA	CGIH TLV STEL	PEL	SHA PEL STEL	NIOSH REL
Styrene	20 ppm	40 ppm	100 ppm	Not established	100 ppm
Talc	2 mg/m3	Not established	2 mg/m3 TWA	3 mg/m3 - QUE	Not established
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3	Not established	Not established
Quartz	0.025 mg/m3	Not Established	0.1 mg/m3 Respiratory	Not Established	0.05 mg/m3
N,N-Dimethyacetamide	No data	No data	No data	No data	No data
	10 ppm				
Protective equipment Eye/type			erly fitted respirator		

Emergency showers and eye wash stations should be available.

PRODUCT: 11284 REVOLUTION FLOWABLE BLENDING & FINISHING PUTTY

SECTION 08: Exposure controls / personal protection

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

Physical state..... Paste. Colour..... Light yellow. Odour..... Hydrocarbon odour. Odour threshold (ppm)..... 0.15-25 ppm (Styrene). Vapour pressure (mm Hg)..... Not available. Vapour density (air=1)..... 3.6 (Styrene). 8.108 lg/usg - 0.973. Not applicable. Relative Density (Specific Gravity)..... pH..... Melting / Freezing point (deg C)..... Not Available. Solubility..... Slightly soluble in water. Initial boiling point / boiling range (deg C). 145°C. Evaporation rate.....Flash point (deg C), method..... Not available. 32°C Closed Cup. Auto ignition temperature (deg C)..... 490°C. Upper flammable limit (% vol)...... Lower flammable limit (% vol)..... 6.8. 0.9. Coefficient of water\oil distribution..... Not available. VOC..... 42 g/L - 0.35 lb/usg. 31,000 cps @ 10 rpm spindle C. Viscosity.....

SECTION 10: Stability and reactivity

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	Not Available	> 10,000 mg/kg rat oral > 10,000 mg/kg rabbit dermal	
Quartz	Not Available	Not Available	
N,N-Dimethyacetamide	2475 ppm rat	4300 mg/kg oral rat; 2240 mg/kg dermal rat	
Route of exposure Effects of acute exposure	Eye contact. Skin contact. Inhalation. 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. May cause damage to the respiratory system, lungs, eyes, skin and central nervous system. Prolonged or repeated exposure may result in an allergic respiratory reaction in sensitive individuals. Prolonged or repeated exposure may lead to kidney or central nervous system symptoms. 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 overexposure to crystalline silica (quartz) dust can cause fibrotic lung damage.		
Sensitizing capability of material Carcinogenicity of material	 None reported. Styrene is classified by IARC as a Group 2B carcinogen. IARC has classified Titanium Dioxide as a group 2B carcinogen. Quartz (Crystalline Silica) is listed by IARC in Group 1 as a carcinogen. This product contains non-asbestiform Talc, which is classified as a 		

Group 3 (not classifiable as to carcinogenicity to humans) by IARC.

PRODUCT: 11284 REVOLUTION FLOWABLE BLENDING & FINISHING PUTTY

SECTION 11: Toxicological information

SECTION 12: Ecological information

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

SECTION 13: Disposal considerations

Waste disposal..... 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

UN3269 - Polyester Resin Kit - Class 3 - Packing Group III - This product meets the TDG Classification..... criterial 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.

In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July Proof of Classification..... 2, 2014) - we certify that classification of this product is correct. .

SECTION 15: Regulatory information

WHMIS 1988 classification..... B2. D2A. D2B.

CEPA status..... On Domestic Substances List (DSL).

TSCA inventory status..... All components are listed.

OSHA..... SARA Title III This product is considered hazardous under the OSHA Hazard Communication Standard.

Section 302 - extremely hazardous None.

substances

Section 311/312 - hazard categories...... Section 313..... Immediate health, delayed health, fire hazard.

Styrene. Styrene.

EPA hazardous air pollutants (HAPS)

40CFR63 California Proposition 65.....

*WARNING: This product contains a chemical known to the State of California to cause

cancer. (Crystalline silica). (Styrene). (Titanium dioxide). (Aniline). *WARNING: This product contains a chemical known to the State of California to cause birth defects or other

reproductive harm. (N,N-Dimethylacetamide).

SECTION 16: Other information

REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com. Prepared by: 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.

SEP 21/2016 Preparation date:



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

PRODUCT: BLUE CREAM HARDENER

SECTION 01: Chemical product and company identification

Pro Form Products Ltd. Manufactured for..... 604 McGeachie Drive

Milton, Ontario L9T3Y5 Tel (905) 878-4990 Fax (905) 878-1189

BLUE CREAM HARDENER Product name..... Recommended use and restrictions on use Accelerator and activator. Chemical family..... Mixture.

Health: 2 Fire: 1 Reactivity: 1. H: 2 F: 1 R: 1. NFPA rating.....

HMIS.....

IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC); IN THE UNITED STATES 24 hour emergency number:.....

CALL CHEMTREC 1-800-424-9300. .

SECTION 02: Hazards identification



Signal Word..... WARNING. Hazard Classification..... Organic Peroxides — Type E. Skin Sensitizer 1. Eye Irritation — Category 2A. Hazard Description..... H242 Heating may cause a fire. H317 May cause an allergic skin reaction. H319 Causes serious eve irritation. 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 Prevention..... thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P305 + Response 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. P403 Store in a well ventilated area. P410 Protect from sunlight. P411 Store at Storage..... temperatures not exceeding 38°C / 100°F. P420 Store separately. P501 Dispose all unused, waste or empty containers in accordance with local regulations. Disposal..... This product mixture has been classified based on its ingredients. Note

SECTION 03: Composition/Information on Ingredients			
HAZARDOUS INGREDIENTS	CAS#	WT. %	
Benzoyl peroxide	94-36-0	50-55	
C9-11-branched alkyl benzoate	131298-44-7	15-20	

SECTION 04: First aid measures

In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at Eye contact..... least 15 minutes. Obtain medical attention. Remove all contaminated clothing and immediately wash the exposed areas with copious Skin contact..... amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is Inhalation..... difficult, give oxygen, obtain medical attention.

PRODUCT: BLUE CREAM HARDENER

SECTION 04: First aid measures

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 Additional information......

Storage needs.....

ant symptoms and effects, Can cause skin sensitization. Causes serious eye irritation.

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, CO2, dry chemical. Do not use water in a jet.

Hazardous combustion products................................ Oxides of carbon (CO, CO2). Emits toxic fumes under fire conditions.

Special fire fighting procedures...... 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.

igniting and flashing back to vapour source.

SECTION 06: Accidental release measures

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

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.

Keep away from heat, sparks, and open flames. Keep container closed when not in use.

ventilation (ie. ACGIH industrial ventilation) should be consulted for guidance about

Store away from strong oxidizers. Store away from acids.

SECTION 08: Exposure controls / personal protection

INGREDIENTS	TWA	CGIH TLV STEL	OSHA PEL	PEL STEL	NIOSH REL
Benzoyl peroxide C9-11-branched alkyl benzoate	5 mg/m3 No data	Not Established	5 mg/m3	Not Established	5 mg/m3 TWA
Respiratory/type		clothes. ulations. eye wash stations sho nical ventilation to con chanical exhaust venti	uld be available. trol exposure levels bel lation should be used a	ow airborne t sources of air	

adequate ventilation. .

PRODUCT: BLUE CREAM HARDENER

SECTION 09: Physical and chemical properties

Physical state	Paste. Thick.
Colour	Blue.
Odour	No data.
Odour threshold (ppm)	Not available.
Initial boiling point / boiling range (deg C).	No data.
Evaporation rate	No data.
Flash point (deg C), method	94.
Melting / Freezing point (deg C)	No data.
Melting point (deg c)	Not available.
pH	No data.
Auto ignition temperature (deg C)	Not available.
Lower flammable limit (% vol)	No data.
Upper flammable limit (% vol)	No data.
Solubility	No data.
Relative Density (Specific Gravity)	1.2.
Density	10 lbs/USG.
Vapour density (air=1)	No data.
Vapour pressure (mm Hg)	No data.
Viscosity	Not Available.
VOC	No data.
Decomposition temperature	Not available.

SECTION 10: Stability and reactivity

Chemical stability..... Stable at normal temperatures and pressures. Reactivity

Hazardous polymerization will not occur. Avoid heat, sparks and flames.

Hazardous polymerization will not occur. Possibility of hazardous reactions.....

Avoid contact in uncontrolled conditions with: . Strong oxidizers. Acids. Conditions to avoid.....

Hazardous decomposition products...... See hazardous combustion products section 5.

SECTION 11: Toxicological information

INGREDIENTS LC50 LD50

Benzoyl peroxide No data 7710 mg/kg (Rat, Oral)

C9-11-branched alkyl benzoate Not available Not available

Route of exposure..... Eye contact. Skin contact. Ingestion. Inhalation.

Causes serious eye irritation. Contact with paste may result in irritation, redness, tearing, Effects of acute exposure.....

and blurred vision. May cause sensitization by skin contact. May cause skin irritation. Prolonged or repeated skin contact may cause drying or cracking of skin. This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA. Effects of chronic exposure.....

Carcinogenicity of material.....

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

Waste disposal..... 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.

SECTION 14: Transport information

UN3108 - ORGANIC PEROXIDE TYPE E, SOLID (Benzoyl peroxide), Class 5.2, PG II. TDG Classification..... 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).
UN3108 - ORGANIC PEROXIDE TYPE E, SOLID (Benzoyl peroxide), Class 5.2, PG II. Do IATA Classification (Air).....

not ship by air without checking appropriate IATA regulations.
UN3108 - ORGANIC PEROXIDE TYPE E, SOLID (Benzoyl peroxide), Class 5.2, PG II. IMDG Classification (Marine)..... EmS-No: F-J, S-R. Check IMDG regulations for limited quantity exemptions.

PRODUCT: BLUE CREAM HARDENER

SECTION 14: Transport information

Marine Pollutant.....

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

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 None.

substances

Fire hazard. Reactive. Section 311/312 - hazard categories....... Section 313..... Benzoyl peroxide. EPA hazardous air pollutants (HAPS) None.

California Proposition 65..... This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity.

SECTION 16: Other information

REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com. Prepared by:

Telephone number:..... (800) 387-7981.

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 Disclaimer:.... 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. JAN 30/2018

Preparation date: