

MATERIAL SAFETY DATA SHEET
1-STEP ACRYLIC POLISH and QWIK FINISH PAINT SYSTEM
 6/16/05

PRODUCTS COVERED: BA-P and BC-1, BMC-1, BMG-2, BFG-3

SECTION I-MANUFACTURER

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SECTION II-PRODUCTS		Numbers of	HMIS			Appearance and Odor	Solubility	Solvent
Stock	Product Name on Label	Ingredients	RATING					
Number		in Products	H	F	R			
BA-P	1-STEP Acrylic Polish	2,8	1	2	0	Off-white liquid, hydrocarbon	Rinsable	26 to 32
BC-1	Qwik Finish Compound	1,3,4,5,6	1	2	0	Light yellow liquid, fruity	Rinsable	5 to 20
BMC-1	Qwik Finish Maxi-Cut Compound	2,3,5,6,9	1	2	0	Light yellow liquid, banana	Rinsable	5 to 20
BMG-2	Qwik Finish Machine Glaze	1,3,4,5,6	1	2	0	Light green liquid, minty	Rinsable	5 to 20
BFG-3	Qwik Finish Final Glaze	4,7	1	2	0	Peach liquid, almond	Rinsable	15 to 30

Stock	Product Name on Label	VOC Content				Flash		Flammable		Autoignition Pt.	
		Weight Percent	Pounds/Gallon	Grams/Liter	Pounds/Bottle	Point °F °C	Limits in % Lower Upper	°F °C			
BA-P	1-STEP Acrylic Polish	25.0	2.04	244	0.51	127 53	0.7 6.0	410 210			
BC-1	Qwik Finish Compound	18.0	1.59	190	0.40	100 38	1.4 8.9	450 232			
BMC-1	Qwik Finish Maxi-Cut Compound	6.0	0.60	71	0.15	100 38	1.4 8.9	450 232			
BMG-2	Qwik Finish Machine Glaze	32.0	2.77	332	0.69	100 38	1.4 8.9	450 232			
BFG-3	Qwik Finish Final Glaze	25.0	1.98	237	0.49	100 38	1.4 8.9	450 232			

*Abbreviations: > means greater than, N/E means Not Established, NA means Not Applicable.

SECTION III-HAZARDOUS INGREDIENTS

Ingredient	CAS Number	Exposure Limits* in ppm (parts per million)
1. Amorphous Silica	61790-53-2	3 mg/m ³ RD A
2. Aluminum Silicate Hydroxide (Kaolin)	1332-58-7	15 mg/m ³ A, O
3. Aoid Treated Light Distillate	64742-14-9	5 mg/m ³ A, O
4. Cristobalite (silica-crystalline)	14464-46-1	0.05 mg/m ³ RD A
5. Hydrotreated Light Petroleum Distillate	64742-47-8	300 ppm M
6. Morpholine	100-91-8	20 A, O Skin
7. OMS Naphtha	64742-48-9	300 ppm M
8. Naphtha, petroleum, hydrotreated heavy	64742-48-9	300 ppm M
9. Technical White Oil	8042-47-5	5 mg/m ³ A, O

*A means ACGIH TLV, O means OSHA PEL, M means manufacturer recommendation, mg/m³ means milligrams per cubic meter, RD means Respirable Dust, Skin means it may be absorbed through the skin.

SECTION IV-PHYSICAL DATA

Evaporation Rate: Unknown **Vapor Density:** Heavier than air.
Solubility in Water: Rinsable **Volatile Solvent Volume %:** See SECTION II **Approximate Boiling Point:** 212°F (100°C) **Product Density (water=1):** Greater than 1 (BA-P Less than 1) **Appearance and Odor:** See SECTION II

SECTION V-FIRE AND EXPLOSION DATA

Flammability Class: Combustible **Flash Point (Tag Closed Cup Method):** See SECTION II. **Approximate Flammable Limits:** See SECTION II. **Autoignition Temperature:** See SECTION II. **Extinguishing Media:** Water, Foam, carbon dioxide, dry chemical

Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus, is recommended because highly toxic gasses may be generated by combustion or thermal decomposition. Water from fog nozzles may be used to cool closed containers to prevent pressure build up (containers may leak or burst when heated).

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, electric motors, smoking or other ignition sources at locations far from material handling point. At elevated temperatures [130°F (54°C) or over] containers may vent, rupture or burst.

SECTION VI-HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Inhalation, Skin contact, Eye contact.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION:

Acute Exposure: NOTE: Solvent vapors at concentrations above the TLV can irritate the respiratory tract (nose, throat, lungs) causing a burning sensation, runny nose, sore throat, coughing, chest discomfort (tightness). May cause central nervous system depression with the following progressive symptoms: headache, dizziness, nausea, staggering gait, confusion, unconsciousness, cessation of breathing and death.

Chronic Exposure: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Symptoms include loss of memory, loss of intellectual ability and loss of coordination.

NOTE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING ANY SOLVENT VAPORS MAY BE HARMFUL OR FATAL!

SKIN CONTACT:

Acute Exposure: Repeated or prolonged skin contact with solvents can result in dry, defatted and cracked skin causing increased susceptibility to infection. Skin irritation may develop into contact dermatitis.

Chronic Exposure: Exposure to small amounts of solvent over long periods of time may cause some or all of the symptoms as in acute exposure to solvents.

EYE CONTACT:

Acute Exposure: Irritation of the eyes with itching, burning, redness and even permanent tissue damage if gotten directly into the eyes and not flushed out immediately.

Chronic Exposure: Irritation of the eyes with itching, burning, redness.

INGESTION:

Acute Exposure: Irritation to the mouth, and if swallowed, to the esophagus, stomach tissue and digestive tract. If swallowed, vomiting may cause breathing of liquid solvent resulting in chemical pneumonia.

Chronic Exposure: Unknown.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None specifically known to Crest Industries, Inc. but it is possible that eye, respiratory tract, skin, liver, kidney, blood cell formation, nervous system and brain diseases may be aggravated by overexposure to the products on this MSDS.

CARCINOGENICITY: Products not listed by NTP, IARC or OSHA. **NOTE: 4. Cristobalite (silica-crystalline) can cause cancer of the lungs. DO NOT BREATHE THE DUST from any of the products covered by this MSDS!**

SECTION VII-EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention.

EYE CONTACT: Flush with clean, lukewarm water (low pressure) for at least 15 minutes while lifting eyelids. Refer person to physician for immediate attention.

SKIN CONTACT: Remove contaminated clothing immediately. Clean affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. Seek medical attention if irritation develops or persists.

INGESTION: DO NOT INDUCE VOMITING! Consult physician, hospital emergency room or poison control center immediately. Have list of ingredients available.

NOTES TO PHYSICIAN:

Inhalation: Treat as for solvent vapor inhalation. Bronchodilators, expectorants and antitussives may help.

Eyes: May cause conjunctivitis. Stain for evidence of corneal injury.

Skin: Treat as any contact dermatitis.

Ingestion: Treat as for solvent ingestion. Inducing vomiting is contraindicated because of the possibility of chemical pneumonia caused by aspiration of solvent liquid.

SECTION VIII-EMPLOYEE PROTECTION RECOMMENDATIONS

EYE PROTECTION: Wear safety glasses.

SKIN PROTECTION: Cover as much of the skin as possible with appropriate clothing. Wear rubber gloves.

VENTILATION AND RESPIRATORY PROTECTION: If exhaust ventilation sufficient to keep the airborne concentrations of solvents below their respective TLV's is not possible, an OSHA/MSHA approved Respirator or Air Supplied Respirator must be used. A dust mask must be worn if dust is a problem when buffing. **A dust mask does not protect against vapors!** Observe OSHA regulations (29 CFR 1910.134) for respirator use. **NOTE: THERE MUST ALWAYS BE ENOUGH VENTILATION TO KEEP VAPOR CONCENTRATION BELOW THE LOWER FLAMMABLE LIMIT!**

KEEP OUT OF THE REACH OF CHILDREN!

SECTION XII-FEDERAL EPA REGULATION COMPLIANCE INFORMATION

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986

The following percentage table is to be used to meet Environmental Protection Agency (EPA) Regulations:

40 CFR Part 370 Emergency and Hazardous Chemical Inventory Forms and Community Right-to-Know Reporting Requirements.

Hazardous Ingredients in 1-STEP ACRYLIC POLISH and QWIK FINISH PAINT SYSTEM-Percentages by Weight

Ingredients (Chemicals)	CAS Number	BA-P	BC-1	BMC-1	BMG-2	BFG-3	
1. Amorphous Silica	61790-53-2	-	3-20	-	2-10	-	
2. Aluminum Silicate (Kaolin)	1332-58-7	0-5	-	20-27	-	-	
3. Aoid Treated Light Distillate	64742-14-9	-	1-8	5-10	1-15	-	
4. Cristobalite (silica-crystalline)	14464-46-1	-	1-15	-	4-10	4-10	
5. Hydrotreated Light Petroleum Distillate	64742-47-8	-	1-8	15-20	1-15	-	
6. Morpholine	100-91-8	-	0.5-2	0.5-2	0.5-2	-	
7. OMS Naphtha	64742-48-9	-	-	-	-	25	
8. Naphtha, petroleum, hydrotreated heavy	64742-48-9	20-25	-	-	-	-	
9. Technical White Oil	8042-47-5	-	-	5-15	-	-	
Physical Hazard-Fire		20-25	3-18	21-32	3-42	25	
Physical Hazard-Pressure Release		N O T	A	H A	Z A	R D	
Health Hazard-Acute		20-30	7-55	41-59	9-46	29-35	
Health Hazard-Chronic		UNKNOWN AMOUNT GREATER THAN 0.1 PERCENT				See SECTION XIV	
Physical Hazard-Reactivity		N O T A H A Z A R D					

SECTION XIII-VOLATILE ORGANIC COMPOUND (V.O.C.) CONTENT OF 1-STEP and QWIK FINISH SYSTEM ACCORDING TO THE FEDERAL EPA

See SECTION II.

SECTION XIV-CALIFORNIA PROPOSITION 65 WARNINGS

According to the California Safe Drinking Water and Toxic Enforcement Act (PROPOSITION 65) "No person in the course of doing business shall knowingly and intentionally expose any

OTHER PROTECTIVE MEASURES: Eyewash stations should be available. Educate and train employees in safe use of products. Follow all label instructions.

SECTION IX-REACTIVITY DATA

STABILITY: Stable under normal room conditions

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: By high heat and fire: carbon dioxide, carbon monoxide, hydrocarbon fumes, smoke.

SECTION X-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Put on protective equipment including respiratory protection. Prevent further spillage. Evacuate nonessential personnel. Remove all sources of ignition and ventilate the area. Keep spill from reaching sewers and waterways. Cover the spill with sawdust, vermiculite, Fuller's Earth or other absorbent material. Collect material with non-sparking tools and put in a tightly sealed container. Remove container to a safe place.

WASTE DISPOSAL METHOD: Follow all federal, state and local environmental control regulations. Incineration of the liquid or dried material is the preferred method.

RCRA STATUS: Since these products are ignitable they are hazardous when discarded.

SECTION XI-SPECIAL PRECAUTIONS AND STORAGE DATA

STORAGE TEMPERATURE

MINIMUM / MAXIMUM: 50°F (10°C) / 120°F (49°C)

RECOMMENDED SHELF LIFE: One year

PRECAUTIONS TO BE TAKEN IN HANDLING, STORAGE AND USE: Keep away from heat, sparks and open flame. Do not store in temperatures above 120°F (49°C) or in direct sunlight. Do not inhale vapors or dust from buffing. Avoid all contact with eyes and excessive contact with skin. Wash hands after use and before eating, drinking, smoking or using the toilet. Employee education and training in the safe use and handling of these materials are required under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

individual to a chemical known to the State of California to cause cancer, birth defects or reproductive toxicity without first giving clear and reasonable warning to such individuals of such an exposure". The following warnings apply: **WARNING:** These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION XV-OZONE DEPLETION IN THE UPPER ATMOSPHERE

None of the products on this MSDS contains upper atmosphere ozone depleting substances.

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.