



Pro Form Products Ltd.
604 McGeachie Drive
Milton; Ontario; L9T 3Y5
Canada

PRODUCT: PF 645C 2K QUICK DRY PRIMER - GREY



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

PRODUCT NAME..... PF 645C 2K QUICK DRY PRIMER - GREY

MATERIAL USE..... PAINTS.

CHEMICAL FAMILY..... MIXTURE.

24 HOUR EMERGENCY NUMBER:..... IN CANADA CALL CANUTEC (613) 996-6666 - IN THE UNITED STATES CALL CHEMTREC (800) 424-9300.

PREPARATION DATE..... MAY 5, 2010.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
METHYL N-AMYL KETONE	10-30	50 ppm ACGIH TWA	110-43-0	1,670 mg/kg RAT ORAL 12,600 mg/kg RABBIT DERMAL	NOT AVAILABLE
STYRENE	1-5	50 PPM TWA OSHA	100-42-5	4920 MG/KG ORAL RAT	600 PPM TCL0 IHL-HMN
TITANIUM DIOXIDE	3-7	10mg/m3	13463-67-7	>24,000 MG/KG RAT ORAL	>6820 MG/M3 4 HR RAT
CARBON BLACK	<0.1	3.5 MG/M3 (TWA)	1333-86-4	> 5000 MG/KG RAT	NOT AVAILABLE
CALCIUM CARBONATE	7-13	10 mg/m3	1317-65-3	>2,000 mg/kg RAT ORAL	NOT AVAILABLE
QUARTZ	0.1-1.0	0.01 mg/m3	14808-60-7	ITR-RAT 15 mg/kg	NOT AVAILABLE
XYLENE	1 - 5	100 PPM/435 MG/M3	1330-20-7	4300 mg/kg ORAL RAT	5000 ppm 4 HOURS INHALATION RAT
ETHYLBENZENE	<0.1	25 PPM	100-41-4	3500 MG/KG ORAL RAT	4000 PPM/4H INHALATION LCLo RAT
ACETIC ACID, TERT-BUTYL ESTER	7-13	200 ppm	540-88-5	4,100 mg/kg RAT ORAL; > 2 g/kg RABBIT DERMAL	>2,230 mg/m3 4 HOURS RAT
METHYL ISOBUTYL KETONE	1-5	50 ppm ACGIH TWA	108-10-1	2080 mg/kg RAT ORAL;>16,000 mg/kg RABBIT DERMAL	8.2 - 16.4 mg/L 4 HOURS RAT
N-BUTYL ACETATE	1-5	150 ppm ACGIH TWA	123-86-4	14,000 mg/kg RAT ORAL	150 ppm 4 HOURS WISTAR RATS
ACETONE	7-13	500 ppm ACGIH TWA	67-64-1	5,800 mg/kg RAT ORAL - 20,000 mg/kg RABBIT DERMAL	76 mg/L RAT 4 HOURS

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY EYE CONTACT. SKIN CONTACT. INHALATION.

SKIN CONTACT..... CAN CAUSE MODERATE IRRITATION, DEFATTING AND DERMATITIS.

SKIN ABSORPTION..... CHRONIC SKIN EXPOSURE TO SOLVENTS MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER CHRONIC INHALATION.

EYE CONTACT..... CAN CAUSE REDNESS, IRRITATION, TISSUE DESTRUCTION.

INGESTION..... ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. MAY BE HARMFUL OR FATAL IF SWALLOWED.

INHALATION (ACUTE)..... SOLVENT VAPOURS MAY BE IRRITATING TO THE EYES, NOSE AND THROAT, RESULTING IN REDNESS, BURNING AND ITCHING OF EYES, DRYNESS OF THE THROAT AND TIGHTNESS IN THE CHEST. BREATHING OF HIGH VAPOUR CONCENTRATIONS MAY CAUSE ANESTHETIC EFFECTS AND SERIOUS HEALTH EFFECTS.

PRODUCT: PF 645C 2K QUICK DRY PRIMER - GREY**Section 03: HAZARDS IDENTIFICATION**

INHALATION (CHRONIC).....	CHRONIC EXPOSURE TO ORGANIC SOLVENT VAPORS HAVE BEEN ASSOCIATED WITH VARIOUS NEUROTOXIC EFFECTS INCLUDING PERMANENT BRAIN AND/OR NERVOUS SYSTEM DAMAGE, KIDNEY, LIVER, BLOOD DAMAGE AND REPRODUCTIVE EFFECTS AMONG WOMEN. SYMPTOMS MAY INCLUDE NAUSEA, VOMITING, ABDOMINAL PAIN, HEADACHE, IMPAIRED MEMORY, LOSS OF COORDINATION, INSOMNIA AND BREATHING DIFFICULTIES. EXCESSIVE INHALATION OF VAPOURS CAN CAUSE RESPIRATORY IRRITATION, DIZZINESS, HEADACHE, NAUSEA AND ASPHYXIATION.
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.....	BREATHING HIGH CONCENTRATIONS OF VAPOUR MAY CAUSE ANESTHETIC EFFECTS AND SERIOUS HEALTH EFFECTS. CONTAINS AN INGREDIENT WHICH CAUSED REPRODUCTIVE EFFECTS IN RATS AFTER REPEATED APPLICATION OF LARGE AMOUNTS TO SKIN. THESE EFFECTS HAVE NOT BEEN REPORTED IN HUMANS.

Section 04: FIRST AID MEASURES

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 TO PREVENT ASPIRATION OF FLUID INTO THE LUNGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
EYE CONTACT.....	IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES, KEEPING EYELIDS OPEN, WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION.
ADDITIONAL INFORMATION.....	TREAT POISONING VICTIMS SYMPTOMATICALLY .

Section 05: FIRE FIGHTING MEASURES

FLASH POINT (deg C), METHOD.....	-18 CLOSED CUP.
AUTO IGNITION TEMPERATURE (deg C)...	NOT AVAILABLE.
UPPER FLAMMABLE LIMIT (% VOL).....	12.6.
LOWER FLAMMABLE LIMIT (% VOL).....	1.0.
EXTINGUISHING MEDIA.....	"ALCOHOL" FOAM, CO ₂ , DRY CHEMICAL. DURING A FIRE, ISOCYANATE VAPORS AND OTHER IRRITATING, HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION. USE COLD WATER SPRAY TO COOL EXPOSED CONTAINERS TO MINIMIZE RISK OF RUPTURE. .
HAZARDOUS COMBUSTION PRODUCTS..	OXIDES OF CARBON (CO,CO ₂). OXIDES OF NITROGEN.
SENSITIVITY TO MECHANICAL IMPACT....	PROTECT AGAINST PHYSICAL DAMAGE.
SENSITIVITY TO STATIC DISCHARGE.....	POTENTIAL ELECTROSTATIC CHARGE BUILDUP WHEN POURING; GROUNDING OF EQUIPMENT IS RECOMMENDED. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
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.
FLAMMABILITY.....	FLAMMABLE.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL.....	VENTILATE. ELIMINATE ALL SOURCES OF IGNITION. CONTAIN THE SPILL. AVOID ALL PERSONAL CONTACT. SPILLED MATERIAL AND WATER RINSES ARE CLASSIFIED AS CHEMICAL WASTE, AND MUST BE DISPOSED OF IN ACCORDANCE WITH CURRENT LOCAL, PROVINCIAL, AND FEDERAL REGULATIONS. EVACUATE ALL NON-ESSENTIAL PERSONNEL. PREVENT RUNOFF INTO DRAINS, SEWERS, AND OTHER WATERWAYS. 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%).
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PRODUCT: PF 645C 2K QUICK DRY PRIMER - GREY**Section 07: HANDLING AND STORAGE**

HANDLING PROCEDURES.....	AVOID ALL SKIN CONTACT AND VENTILATE ADEQUATELY, OTHERWISE WEAR AN APPROPRIATE BREATHING 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.
STORAGE NEEDS.....	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.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

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.
VENTILATION REQUIREMENTS.....	PROVIDE NATURAL OR MECHANICAL VENTILATION TO CONTROL EXPOSURE LEVELS BELOW AIRBORNE EXPOSURE LIMITS. LOCAL MECHANICAL EXHAUST VENTILATION SHOULD BE USED AT SOURCES OR 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. IN THE EVENT OF THERMAL DECOMPOSITION FROM OVERHEATING THE PRODUCT (DECOMPOSITION BEGINS AT 380 C), EVACUATE THE WORK AREA, SHUT DOWN EQUIPMENT, AND PROVIDE GENERAL VENTILATION TO THE ROOM PRIOR TO REOCCUPYING.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	LIQUID.
ODOUR.....	SOLVENT ODOUR.
COLOUR.....	GREY.
ODOUR THRESHOLD (ppm).....	NOT AVAILABLE.
VAPOUR DENSITY (AIR=1).....	> 1.
VAPOUR PRESSURE (mm Hg).....	NOT AVAILABLE.
EVAPORATION RATE.....	MODERATE.
BOILING POINT (deg C).....	> 56.
pH.....	NOT APPLICABLE.
SOLUBILITY IN WATER (% W/W).....	SLIGHT.
SPECIFIC GRAVITY.....	12.26 lb/USG - 1.4712.
COEFFICIENT OF WATER/OIL	NOT AVAILABLE.
DISTRIBUTION	
FREEZING POINT (deg C).....	NOT AVAILABLE.
VOC.....	240.5g/L - 2.007 lb/USG .

Section 10: STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION.....	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
STABILITY.....	STABLE AT NORMAL TEMPERATURES AND PRESSURES.
INCOMPATIBILITY.....	KEEP AWAY FROM HEAT. INCOMPATIBLE WITH STRONG OXIDIZERS.
REACTIVITY CONDITIONS.....	AVOID HEAT, SPARKS AND FLAME. EXPLOSIVE REACTIONS CAN OCCUR IN THE PRESENCE OF STRONG OXIDIZING AGENTS.
HAZARDOUS PRODUCTS OF DECOMPOSITION	BY FIRE: DENSE BLACK SMOKE. OXIDES OF NITROGEN. OXIDES OF CARBON (CO,CO2).

Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMITS.....	ACETONE - ACGIH TWA 500 ppm; STEL 750 ppm 15 MINUTES - OSHA PEL TWA 1,000 ppm - NIOSH REL TWA 250 ppm 10 HOURS . AMYL METHYL KETONE - ACGIH TLV 50 ppm; OSHA PEL 100 ppm; NIOSH REL 100 ppm. N-BUTYL ACETATE - OSHA PEL 150 ppm TWA - NIOSH REL 150 ppm 10 HOURS; STEL 200 ppm 15 MINUTES. STYRENE: ACGIH TWA 20 ppm - STEL 40 ppm; NIOSH REL 50 ppm - STEL 100 ppm; OSHA TWA
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PRODUCT: PF 645C 2K QUICK DRY PRIMER - GREY**Section 11: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMITS.....	PEL 100 ppm - CEILING 200 ppm . ETHYLBENZENE - TLV 100 ppm STEL 125 ppm 15 MINUTES; PEL 100 ppm; REL 100 ppm. METHYL ISOBUTYL KETONE - ACGIH TWA 50 ppm; STEL 75 ppm 15 MINUTES - OSHA PEL TWA 100 ppm - NIOSH REL 50 ppm 10 HOURS; STEL 75 ppm 15 MINUTES.
IRRITANCY OF MATERIAL.....	IRRITANT.
SENSITIZING CAPABILITY OF MATERIAL.....	NONE REPORTED.
CARCINOGENICITY OF MATERIAL.....	AN INGREDIENT WITHIN THIS PRODUCT IS CLASSIFIED BY IARC AS GROUP 2B, POSSIBLY CARCINOGENIC TO HUMANS.
TERATOGENICITY.....	NOT AVAILABLE.
MUTAGENICITY.....	NOT AVAILABLE.
REPRODUCTIVE EFFECTS.....	NOT AVAILABLE.
SYNERGISTIC MATERIALS.....	NOT AVAILABLE.

Section 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL.....	DO NOT ALLOW TO ENTER WATERS, WASTEWATER OR SOIL.
BIODEGRADABILITY.....	NOT AVAILABLE.

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.
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Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION.....	UNDER TDG CLEAR LANGUAGE REGULATIONS 1.17 - THIS PRODUCT MEETS THE "LIMITED QUANTITY" EXEMPTION. PLEASE REFER TO THESE REGULATIONS IF SHIPPING UNDER THIS EXEMPTION. US - DOT : CONSUMER COMMODITY - ORM-D. IF SHIPPING IN 55 USG DRUMS OR BULK THE CLASSIFICATION OF THIS PRODUCT IS THEN "PAINT RELATED MATERIAL, CLASS 3, UN1263, PG II".
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Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION.....	B2. D2A. D2B.
CEPA STATUS.....	ON DOMESTIC SUBSTANCES LIST (DSL).
OSHA.....	THIS PRODUCT IS CONSIDERED HAZARDOUS UNDER THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD.
SARA TITLE III SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES	NONE.
SECTION 311/312 - HAZARD CATAGORIES	IMMEDIATE HEALTH, DELAYED HEALTH, FIRE HAZARD.
SARA SECTION 313.....	ETHYL BENZENE. METHYL ISOBUTYL KETONE. STYRENE. XYLENE.
EPA HAZARDOUS AIR POLLUTANTS (HAPS) 40CFR63	ETHYLEBENZENE. XYLENE. STYRENE.
TSCA INVENTORY STATUS.....	ALL COMPONENTS ARE LISTED.
CALIFORNIA PROPOSITION 65.....	THIS PRODUCT CONTAINS ETHYLEBENZENE AND CARBON BLACK THAT ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY.

Section 16: OTHER INFORMATION

PREPARED BY:	REGULATORY AFFAIRS.
TELEPHONE NUMBER:.....	(800) 387-7981.
PREPARATION DATE:	Nov09/09