



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

PRODUCT: PF 684C URETHANE GRADE REDUCER FAST LOW VOC



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 684C URETHANE GRADE REDUCER FAST LOW VOC

MATERIAL USE..... PAINT REDUCER.

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 25, 2010.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
ACETONE	30-60	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
ETHYL ACETATE	10-30	400 ppm ACGIH TWA	141-78-6	5,600 mg/kg ORAL RAT	16,000 ppm RAT 6 HOURS
4-CHLOROBENZOTRIFLUORID E	10-30	2.5 mg/m3	98-56-6	13 g/kg RAT ORAL; >2 g/kg RABBIT DERMAL	33 mg/L RAT

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY EYE CONTACT. SKIN CONTACT. INHALATION.

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

SKIN ABSORPTION..... MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

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

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

INHALATION (ACUTE)..... EXCESSIVE INHALATION OF VAPOURS CAN CAUSE RESPIRATORY IRRITATION, DIZZINESS, HEADACHE, VOMITING AND UNCONSCIOUSNESS.

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.

EFFECTS OF CHRONIC EXPOSURE..... BREATHING HIGH CONCENTRATIONS OF VAPOUR MAY CAUSE ANESTHETIC EFFECTS AND SERIOUS HEALTH EFFECTS. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING OR CRACKING OF SKIN.

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 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 .

PRODUCT: PF 684C URETHANE GRADE REDUCER FAST LOW VOC**Section 05: FIRE FIGHTING MEASURES**

FLASH POINT (deg C), METHOD.....	-18 CLOSED CUP.
AUTO IGNITION TEMPERATURE (deg C)...	>426.
UPPER FLAMMABLE LIMIT (% VOL).....	12.8%.
LOWER FLAMMABLE LIMIT (% VOL).....	2.
EXTINGUISHING MEDIA.....	"ALCOHOL" FOAM, CO ₂ , DRY CHEMICAL. IN CASES OF LARGER FIRES, WATER SPRAY SHOULD BE USED.
HAZARDOUS COMBUSTION PRODUCTS..	OXIDES OF CARBON (CO,CO ₂).
SENSITIVITY TO MECHANICAL IMPACT....	NOT REQUIRED.
SENSITIVITY TO STATIC DISCHARGE.....	MAY BE SENSITIVE.
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. KEEP RUN-OFF WATER FROM ENTERING SEWERS AND OTHER WATERWAYS. DIKE FOR WATER CONTROL.
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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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.....	LOCAL EXHAUST AT POINTS OF EMISSION.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....	LIQUID.
ODOUR.....	SOLVENT ODOUR.
COLOUR.....	CLEAR, COLOURLESS.
ODOUR THRESHOLD (ppm).....	NOT AVAILABLE.
VAPOUR DENSITY (AIR=1).....	> 1.
VAPOUR PRESSURE (mm Hg).....	NOT AVAILABLE.
EVAPORATION RATE.....	NOT AVAILABLE.
BOILING POINT (deg C).....	> 56.
pH.....	NOT APPLICABLE.
SOLUBILITY IN WATER (% W/W).....	PARTIALLY.
COEFFICIENT OF WATER/OIL	NOT AVAILABLE.
DISTRIBUTION	
SPECIFIC GRAVITY.....	7.98 lb/USG - 0.9576.

PRODUCT: PF 684C URETHANE GRADE REDUCER FAST LOW VOC**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

FREEZING POINT (deg C)..... -36 .
 % VOLATILE BY VOLUME..... 100%.
 VOC..... 239 g/L - 1.99 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 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 . ETHYL ACEATE - ACGIH TWA 400 ppm - OSAH PEL TWA 400 ppm - NIOSH REL TWA 400 ppm 10 HOURS.
 IRRITANCY OF MATERIAL..... IRRITANT.
 SENSITIZING CAPABILITY OF MATERIAL..... NONE REPORTED.
 CARCINOGENICITY OF MATERIAL..... NONE KNOWN.
 TERATOGENICITY..... NOT AVAILABLE.
 MUTAGENICITY..... NOT AVAILABLE.
 REPRODUCTIVE EFFECTS..... NONE KNOWN.
 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..... THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE. AVOID RELEASE TO THE ENVIRONMENT.

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".

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... B2, 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 ACETATE.
 EPA HAZARDOUS AIR POLLUTANTS ETHYL ACETATE.
 (HAPS) 40CFR63
 TSCA INVENTORY STATUS..... ALL COMPONENTS ARE LISTED.
 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

PREPARED BY: REGULATORY AFFAIRS.
 TELEPHONE NUMBER:..... (800) 387-7981.
 PREPARATION DATE: Apr23/10