



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

PRODUCT: PF 532 PRO GUARD RUBBERIZED GRAVLGUARD BLACK



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 532 PRO GUARD RUBBERIZED GRAVLGUARD BLACK

MATERIAL USE..... PAINTS.

CHEMICAL FAMILY..... MIXTURE.

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

PREPARATION DATE..... OCTOBER 15, 2013.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
ACETIC ACID, TERT-BUTYL ESTER	30-60	200 ppm	540-88-5	4,100 mg/kg RAT ORAL; > 2 g/kg RABBIT DERMAL	>2,230 mg/m3 4 HOURS RAT
TOLUENE	10-30	50 PPM	108-88-3	3000 mg/kg ORAL (rat)	5320 ppm INHL. 8 HOURS MICE
PROPANE	5-10	1000 ppm WITH AIR	74-98-6	NOT INDICATED	NOT INDICATED
CALCIUM CARBONATE	5-10	10 mg/m3	1317-65-3	>2,000 mg/kg RAT ORAL	NOT AVAILABLE
SBR (STYRENE BUTADIENE RUBBER)	5-10	NOT ESTABLISHED	9003-55-8	NOT AVAILABLE	NOT AVAILABLE
HYDROCARBON POLYMER	5-10	NOT ESTABLISHED	9011-11-4	NOT AVAILABLE	NOT AVAILABLE
TRIMETHYLMETHANE ISOBUTANE	1-5	NOT AVAILABLE	75-28-5	NOT AVAILABLE	NOT AVAILABLE
PETROLEUM DISTILLATE	1-5	NOT AVAILABLE	64742-47-8	NOT AVAILABLE	NOT AVAILABLE
BENTONE	1-5	NOT ESTABLISHED	68953-58-2	NOT AVAILABLE	NOT AVAILABLE
TITANIUM DIOXIDE	0.1-1.0	10mg/m3	13463-67-7	>24,000 MG/KG RAT ORAL	>6820 MG/M3 4 HR RAT
CARBON BLACK	0.1-1.0	3.5 MG/M3 (TWA)	1333-86-4	> 5000 MG/KG RAT ORAL	NO DATA
CRYSTALLINE SILICA	<0.1	0.1 mg/m3 TWA	14808-60-7	NOT AVAILABLE	NOT AVAILABLE

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.

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, LIGHTHEADEDNES S AND DIZZINESS FROM OVEREXPOSURE BY INHALATION.

EFFECTS OF CHRONIC EXPOSURE..... BREATHING HIGH CONCENTRATIONS OF VAPOUR MAY CAUSE ANESTHETIC EFFECTS AND SERIOUS HEALTH EFFECTS. POSSIBLE DAMAGE TO LIVER AND KIDNEYS. MAY CAUSE DAMAGE TO THE RESPIRATORY SYSTEM, LUNGS, EYES, SKIN AND CENTRAL NERVOUS SYSTEM. CARDIAC ABNORMALITIES AND REPRODUCTIVE ORGAN DAMAGE.

PRODUCT: PF 532 PRO GUARD RUBBERIZED GRAVLGUARD BLACK**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. DO NOT INDUCE VOMITING. 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

FLAMMABILITY.....	FLAMMABLE.
FLASH POINT (deg C), METHOD.....	4C, CLOSED CUP. -104C (PROPELLANT).
AUTO IGNITION TEMPERATURE (deg C)..	450.
UPPER FLAMMABLE LIMIT (% VOL).....	9.5.
LOWER FLAMMABLE LIMIT (% VOL).....	2.1.
EXTINGUISHING MEDIA.....	FOAM, "ALCOHOL" FOAM, CO2, DRY CHEMICAL, WATER FOG.
HAZARDOUS COMBUSTION PRODUCTS.	OXIDES OF CARBON (CO, CO2).
SENSITIVITY TO MECHANICAL IMPACT...	PROTECT AGAINST PHYSICAL DAMAGE. CONTENTS UNDER PRESSURE.
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. HEAT WILL CAUSE PRESSURE BUILDUP AND MAY CAUSE EXPLOSIVE RUPTURE.

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.

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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.....	AEROSOL.
ODOUR.....	SOLVENT ODOUR.
COLOUR.....	BLACK.
ODOUR THRESHOLD (ppm).....	NOT AVAILABLE.
VAPOUR DENSITY (AIR=1).....	> 1.
VAPOUR PRESSURE (mm Hg).....	55-60 @ 20C. PSIG.
EVAPORATION RATE.....	GREATER THAN N-BUTYL ACETATE.
BOILING POINT (deg C).....	> 98.
pH.....	NOT APPLICABLE.
SOLUBILITY IN WATER (% W/W).....	INSOLUBLE.
SPECIFIC GRAVITY.....	LIQUID: 0.994 @ 25C - AEROSOL: 0.90 @ 25C .
COEFFICIENT OF WATER/OIL	NOT AVAILABLE.
DISTRIBUTION	
FREEZING POINT (deg C).....	NOT AVAILABLE.
VOC.....	265.35 g/L - 2.248 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. METAL HYDRIDES, IRON CHLORIDES.
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). STYRENE OXIDE. HYDROCARBONS.

Section 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMITS.....	TOLUENE - ACGIH TLV 20 ppm; OSHA PEL TWA 200 ppm; NIOSH TWA REL 100 ppm - STEL (15 MINUTES) 150 ppm. ACETIC ACID, TERT BUTYL ESTER: OSHA PEL TWA 200 ppm; ACGIH TLV TWA 200 ppm; NIOSH REL TWA 200 ppm;.
IRRITANCY OF MATERIAL.....	IRRITANT.
SENSITIZING CAPABILITY OF MATERIAL.....	NONE KNOWN.
CARCINOGENICITY OF MATERIAL.....	IARC HAS CLASSIFIED CARBON BLACK AS "GROUP 2B", POSSIBLY CARCINOGENIC TO HUMANS, BASED ON LABORATORY ANIMAL INHALATION STUDIES. QUARTZ (CRYSTALLINE SILICA) IS A SUSPECT CARCINOGEN PER IARC AND NTP.
TERATOGENICITY.....	NOT AVAILABLE.
MUTAGENICITY.....	NOT AVAILABLE.
REPRODUCTIVE EFFECTS	
SYNERGISTIC MATERIALS.....	NOT AVAILABLE.

Section 12: ECOLOGICAL INFORMATION

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

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WASTE DISPOSAL..... EMPTY CONTAINERS MUST BE HANDLED WITH CARE DUE TO PRODUCT RESIDUE. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR EXPOSE TO HEAT, EVEN WHEN EMPTY. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE. AVOID RELEASE TO THE ENVIRONMENT.

Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION (ROAD)..... AEROSOLS - CLASS 2.1 - UN1950 - THIS PRODUCT MEETS THE LIMITED QUANTITY EXEMPTION WHEN SHIPPED IN CONTAINERS OF LESS THAN 1 LITRE.
 IATA CLASSIFICATION (AIR)..... AEROSOLS, FLAMMABLE - UN1950 - CLASS 2.1.
 IMDG CLASSIFICATION (MARINE)..... AEROSOLS, FLAMMABLE - UN1950 - CLASS 2.1 - EmS: F-D S-U.
 MARINE POLLUTANT..... NO.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... D2A. A. B5. 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 CATEGORIES IMMEDIATE HEALTH, DELAYED HEALTH, FIRE HAZARD.
 SARA SECTION 313..... TOLUENE.
 EPA HAZARDOUS AIR POLLUTANTS TOLUENE.
 (HAPS) 40CFR63
 TSCA INVENTORY STATUS..... ALL COMPONENTS ARE LISTED.
 CALIFORNIA PROPOSITION 65..... THIS PRODUCT CONTAINS CRYSTALLINE SILICA AND CARBON BLACK THAT ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. THIS PRODUCT CONTAINS TOLUENE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE (DEVELOPMENTAL) REPRODUCTIVE TOXICITY.

Section 16: OTHER INFORMATION

PREPARED BY: REGULATORY AFFAIRS.
 TELEPHONE NUMBER:..... (800) 387-7981.
 PREPARATION DATE: Oct15/13