



Pro Form Products Ltd.
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PRODUCT: PF525 PLASTIC PARTS CLEANER - AEROSOL

SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.
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Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... PF525 PLASTIC PARTS CLEANER - AEROSOL

Recommended use and restrictions on .. Cleaner.
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.

HMIS..... H: 2 F: 3 R: 0.

24 hour emergency number..... For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);
IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.
** For medical emergencies contact your local poison control centre **.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... DANGER.

Hazard Classification..... Flammable Aerosols — Category 1. Gases Under Pressure: Liquefied Gas. Aspiration Toxicity 1. Skin Irritation — Category 2. Eye Irritation — Category 2B. Specific Target Organ Toxicity — Single Exposure — Category 3. (narcotic effects). (respiratory system). Germ Cell Mutagenicity 1. Carcinogenicity — Category 1. Reproductive Toxicity — Category 2. Specific Target Organ Toxicity — Repeated Exposure — Category 2.

Hazard Description..... H222 Extremely flammable aerosol. H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H320 Causes eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H350 This product contains ingredients that may cause cancer. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.

Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P211 Do not spray on an open flame or other ignition sources. P251 Do not pierce or burn container, even after use. P260 Do not breathe the mist, vapours, or spray. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.

Response 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. P305 + 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. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P233 Keep container tightly closed. P403 Store in a well ventilated area. P405 Store locked up. P410 Protect from sunlight. P412 Do not expose to temperature exceeding 50°C / 122°F.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Note This product mixture has been classified based on its ingredients.

PRODUCT: PF525 PLASTIC PARTS CLEANER - AEROSOL**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Light aromatic naphtha*	64742-95-6	40-70
Xylene	1330-20-7	10-30
Propane	74-98-6	10-30
Ethylbenzene	100-41-4	1-5
*Light aromatic naphtha (64742-95-6) contains: 1,2,4-trimethylbenzene (<32%), Cumene (<1.1%), and xylene (<2.2%) <<The actual concentration(s) withheld as a trade secret>>		

SECTION 04: FIRST-AID MEASURES

Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Check for and remove any contact lenses, if safe and easy to do so. Obtain medical attention.
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 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	Harmful if swallowed, in contact with skin or if inhaled. Causes skin irritation. Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Causes damage to organs through prolonged or repeated exposure. This product contains ingredients that are suspected of damaging fertility or the unborn child. May cause genetic defects. This product contains ingredients that may cause cancer.
Additional information.....	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, CO ₂ , dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Hydrocarbon fumes and smoke. Oxides of carbon (CO, CO ₂). May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products.
Special protective equipment and precautions for fire-fighters	Extremely flammable aerosol. 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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up Leak/spill.....	Ventilate. Eliminate all sources of ignition. Evacuate all non-essential personnel. Avoid all personal contact. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Use non-sparking tools and equipment to pick up the spilled material. Absorb with an inert dry material and place in an appropriate waste container. 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.
Personal precautions, protective equipment and emergency procedures	Isolate area and keep unauthorized people away. Do not walk through spilled material. Wear recommended protective equipment. Ventilate. Open windows and doors to allow 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. Use non-sparking tools and equipment to pick up the spilled material.

PRODUCT: PF525 PLASTIC PARTS CLEANER - AEROSOL**SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Ground handling equipment. Avoid breathing vapours or mist. Handle and open container with care. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Employees should wash hands and face before eating or drinking.

Conditions for safe storage, including any incompatibilities Pressurized container, do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush container. Keep away from heat, sparks, and open flames. Store away from oxidizing and reducing materials. Store away from sunlight. Keep container closed when not in use.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		NIOSH
	TWA	STEL		STEL	REL	
Light aromatic naphtha*	Not established	Not established	500 ppm (2000 mg/m3) TWA	Not established	350 mg/m3 TWA	
Xylene	50 ppm CA ON: 100ppm (TWA); 150ppm (STEL)	150 ppm	100 ppm TWA	Not established	Not established	
Propane	1,000 ppm	Not established	1,000 ppm	Not established	1,000 ppm	
Ethylbenzene	100 ppm CA ON: 20ppm (TWA)	125 ppm	100 ppm	Not established	100 ppm / STEL 125 ppm	

Personal Protective Equipment

Respiratory/type..... Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.

Eye/type..... Chemical safety goggles and full faceshield if a splash hazard exists.

Gloves/ type..... Wear skin protection equipment. The selection of this equipment depends on the nature of the work to be done.

Clothing/type..... Wear adequate protective clothes.

Footwear/type..... Safety boots per local regulations.

Other/type..... Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products.

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. Explosion-proof exhaust ventilation.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state..... Aerosol.

Colour..... Clear to pale yellow.

Odour..... Aromatic.

Odour threshold (ppm)..... Not available.

pH..... Not available.

Melting / Freezing point (deg C)..... < -50 C.

Initial boiling point / boiling range (deg C)..... >136. (Liquid).

Flash point (deg C), method..... 25. (estimate for liquid).

Evaporation rate..... ≤ 1.

Flammability (solids and gases)..... Flammable aerosol.

Upper flammable limit (% vol)..... 7. (liquid).

Lower flammable limit (% vol)..... 0.9. (liquid).

Vapour density (air=1)..... < 4.2.

Vapour pressure (mm Hg)..... <6 mmHg .

Relative Density (Specific Gravity)..... 0.820. (Aerosol) . 0.870. (Liquid) .

Solubility..... Negligible.

Partition coefficient — n-octanol/water..... Not available.

Auto ignition temperature (deg C)..... 432.

Decomposition temperature..... Not available.

Viscosity..... Not available.

Aerosol flame projection..... No data.

PRODUCT: PF525 PLASTIC PARTS CLEANER - AEROSOL**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

VOC (less water)..... 6.8 lbs/USG.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.

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

Possibility of hazardous reactions..... High temperatures .

Conditions to avoid, including static Keep away from heat. Electrostatic charge.

discharge, shock or vibration

Incompatible materials..... Strong oxidizing agents.

Hazardous decomposition products..... By fire: Dense black smoke. Oxides of carbon (CO,CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Light aromatic naphtha*	10.2 mg/L (inhal, hr.)	>3400 mg/kg (oral, rat). >2000 mg/kg (dermal, rabbit)
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Propane	>1,464 mg/L 15 minutes rat	Not available
Ethylbenzene	No data	3,500 mg/kg rat oral 17,800 mg/kg rabbit dermal
Route of exposure.....	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. Possible damage to liver and kidneys. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.	
Carcinogenicity of material.....	Solvent Naphtha (light aromatic solvents): NTP considers the results of a chronic inhalation study in rats to be clear evidence of carcinogenicity in rats. Xylene has been listed by IARC as a Group 3; not classifiable as to its carcinogenicity to humans. Ethylbenzene is classified as an A3 known animal carcinogen.	
Reproductive effects.....	Xylene has been classified by The Commission on Health and Safety as causing reproductive effects. High level exposure to Xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus. The relevance of this to humans is not known.	
Mutagenicity.....	Contains a known or suspect mutagen.	
Specific Target Organ Toxicity	May cause drowsiness or dizziness. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure .	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Product data not available.

Persistence and degradability..... Product data not available.

Bioaccumulative potential..... Product data not available.

Mobility in soil..... Not available.

Other adverse effects..... Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Information on safe handling for disposal and methods of disposal, including any contaminated packaging

Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

PRODUCT: PF525 PLASTIC PARTS CLEANER - AEROSOL**SECTION 14: TRANSPORT INFORMATION**

TDG Classification.....	UN1950 - AEROSOLS, flammable - Class 2.1 - This product meets limited quantity exemption when shipped in containers less than 1 Litre.
DOT Classification (Road).....	UN1950 - AEROSOLS, flammable - Class 2.1 - Ltd Qty (1 Liter/0.26 Gallons).
IATA Classification (Air).....	UN1950 - AEROSOLS, flammable - Class 2.1 - Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1950 - AEROSOLS - Class 2.1 - EmS: F-D, S-U - Limited Quantity. Check IMDG regulations for limited quantity exemptions.
Marine Pollutant.....	Yes.
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

CEPA status.....	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 substances	None.
Section 311/312 - hazard categories	Immediate health, delayed health, fire hazard.
Section 313.....	1,2,4-Trimethylbenzene. Ethylbenzene. Xylene.
EPA hazardous air pollutants (HAPS) 40CFR63	Ethylbenzene. Xylene.
California Proposition 65.....	*** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Cumene). (Ethyl benzene). For more information, go to www.P65Warnings.ca.gov .

SECTION 16: OTHER INFORMATION

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.
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