



Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario, L9T 3Y5
Canada
905-878-4990

PRODUCT: 12590 PRODUCTION CLEAR LOW COST 4:1

SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... 12590 PRODUCTION CLEAR LOW COST 4:1

Recommended use and restrictions on .. Paints. No restrictions on use known.
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



Hazard Classification..... Flammable Liquid 2. Skin Sensitizer — Category 1. Eye Irritation — Category 2A. Acute Toxicity (Inhalation) — Category 4. Specific Target Organ Toxicity — Single Exposure — Category 3. (central nervous system). (Respiratory system). Reproductive Toxicity — Category 1. Aquatic Acute 1. Aquatic Chronic 1.

Signal Word..... DANGER.

Hazard Description..... H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H360 May damage fertility or the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

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. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves and eye protection.

Response P302 + P352 - If on skin: wash with plenty of water. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. 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. P308 + P313 If exposed or concerned, get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P321 - For specific treatment see section 4 on this SDS. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P337 + P313 - If eye irritation persists get medical attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P391 Collect spillage.

Storage..... P403 + P233 Store in a well ventilated area. Keep container tightly closed. P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.

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

Other hazards..... Harmful to aquatic life with long lasting effects.

PRODUCT: 12590 PRODUCTION CLEAR LOW COST 4:1**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Methyl isobutyl ketone	108-10-1	1-5
Ethyl Acetate	141-78-6	1-5
Acetone	67-64-1	10-30
Propylene Glycol Monomethyl Ether Acetate	108-65-6	10-30
Butyl Acetate	123-86-4	10-30
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	41556-26-7	0.1-1
C7-C9 Branched Alkyl Esters	127519-17-9	0.1-1
<<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. Get medical attention immediately.
Skin contact.....	Wash using plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. 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. Drink plenty of water. 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	Not available.
Additional information.....	Treat victims symptomatically. 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 extinguishing media.....	Alcohol resistant foam. Carbon dioxide. Dry chemical. Foam.
Unsuitable extinguishing media.....	Do not use solid water streams or water jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Do not allow run-off from fire fighting to enter drains or water courses. Oxides of carbon (CO, CO2). May produce hazardous fumes.
Special protective equipment and precautions for fire-fighters	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. Use water spray to cool containers. Dispose of all runoff water as hazardous waste.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid breathing vapours. Avoid skin and eye contact with vapors. Ensure adequate ventilation. Remove all sources of ignition. Ventilate area. Vapours can accumulate in low areas. Vapors can form explosive mixture in air.
Environmental precautions.....	Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities.
Methods and materials for containment and cleaning up	Dike area to contain the spill, prevent runoff from going into drains, absorb residual material with an inert absorbent, shovel or pump to a properly labelled container and dispose of as a hazardous waste. Soak up with inert material. Keep in suitable container for disposal. Clean up any residual material with absorbent and dispose of as hazardous waste.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Keep away from heat, sparks, and open flame. Use non sparking tools. Electrostatic charges may be generated during pumping. Ensure that equipment is properly bonded and grounded during filling and transferring as product may become electrostatically charged. Avoid all skin contact. Handle with care. Avoid breathing vapours or mist. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Employees should wash hands and face before eating or drinking. Avoid smoking, drinking or eating in use area. Dispose of rinse water according to local, Provincial and Federal guidelines. Handle in accordance with good industrial hygiene and safety practices.
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PRODUCT: 12590 PRODUCTION CLEAR LOW COST 4:1**SECTION 07: HANDLING AND STORAGE**

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from incompatible materials. Store away from sunlight. Store at ambient temperatures.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Methyl isobutyl ketone	Not available Not available	Not available	Not available	Not available	Not available
Ethyl Acetate	400 ppm CA ON: 400 ppm (TWA)	Not established	400 ppm	Not established	400 ppm
Acetone	250 ppm TLV CA ON AB: 500ppm (TWA); 750ppm (STEL)	500 ppm	1,000 ppm	Not established	250 ppm
Propylene Glycol Monomethyl Ether Acetate	Not available	Not available	Not available	Not available	Not available
Butyl Acetate	Not available 150 ppm	200 ppm	150 ppm	200 ppm vacated	150 ppm - STEL 200 ppm
Bis (1,2,2,6,6-Pentamethyl-4- Piperidyl) Sebacate	Not established	Not established	Not established	Not established	Not established
C7-C9 Branched Alkyl Esters	Not established	Not established	Not established	Not established	Not established
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.				
Personal Protective Equipment					
Eye/type.....	Chemical safety goggles and full faceshield if a splash hazard exists. Consult your personal protective equipment supplier for additional recommendations.				
Gloves/ type.....	Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. Consult your personal protective equipment supplier for additional recommendations.				
Clothing/type.....	Wear adequate protective clothes. Consult your personal protective equipment supplier for additional recommendations.				
Footwear/type.....	Safety boots per local regulations. Consult your personal protective equipment supplier for additional recommendations.				
Respiratory/type.....	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits. Consult your personal protective equipment supplier for additional recommendations.				
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.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state.....	Liquid.
Colour.....	Not available.
Odour.....	Not available.
Odour threshold (ppm).....	Not available.
pH.....	Not available.
Melting / Freezing point (deg C).....	Not available.
Initial boiling point / boiling range (deg C).....	Not available.
Flash point (deg C), method.....	Not available.
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Not applicable.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.

PRODUCT: 12590 PRODUCTION CLEAR LOW COST 4:1**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Vapour density (air=1).....	Not available.
Relative Density (Specific Gravity).....	Not available.
Pounds / USG.....	7.79. lbs/GAL.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
% Volatile by volume.....	46.29.
% Volume Volatile exempt.....	32.20.
VOC LBS/GAL less water.....	3.54.
LBS VOC/GAL solids.....	16.4.
VOC LBS/GAL less exempt volatiles.....	5.22.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions of use.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Vapours may form explosive mixture with air.
Incompatible materials.....	Strong oxidizing agents, acids, bases. Reducing agents. Halogens. Halogenated compounds. Aldehydes. Hydrogen peroxide. Metals. Lithium aluminum hydride. Nitrates. Amines. Peroxides. Alkali metals. Rubber, various plastics.
Conditions to avoid, including static discharge, shock or vibration	Moisture. Avoid heat, spark, open flames.
Hazardous decomposition products.....	Oxides of carbon (CO,CO2). Sulfur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Methyl isobutyl ketone	LC50 (Rat): 11.6 mg/l - 4 hr.	Not available
Ethyl Acetate	16,000 ppm 6 hours rat	5,600 mg/kg (rat oral)
Acetone	50,100 mg/m3 8 hours, rat	5,800 mg/kg (rat oral)
Propylene Glycol Monomethyl Ether Acetate	Not available	8,532 mg/kg (rat oral) >5,000 mg/kg (rabbit dermal)
Butyl Acetate	390 ppm (4 hr)	10768 mg/kg oral rat 17600 mg/kg dermal rabbit
Bis (1,2,2,6,6- Pentamethyl-4- Piperidyl) Sebacate	Not Available	2369-3920 mg/kg (oral rat), >2000 mg/kg (dermal rabbit)
C7-C9 Branched Alkyl Esters	Not Available	>2,000 mg/kg oral rat >2,000 mg/kg dermal rat
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Effects of acute exposure.....	Causes eye irritation. Causes skin irritation. May cause sensitization by skin contact. Inhalation of vapours or mist may cause drowsiness or dizziness. Causes respiratory tract irritation.	
Effects of chronic exposure.....	May aggravate pre-existing skin and eye disorders. Prolonged or repeated exposure may result in an allergic respiratory reaction in sensitive individuals. Breathing high concentrations of vapour may cause anesthetic effects and serious health effects.	
Aspiration Hazard.....	Not classified.	
Serious eye damage/eye irritation.....	Irritating to the eyes.	
Skin corrosion/irritation.....	Causes skin irritation.	
Respiratory or Skin Sensitization.....	This product may cause skin sensitization.	
Carcinogenicity.....	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC or ACGIH.	
Reproductive effects.....	Clear evidence of adverse effects on development, based on animal experiments.	
Mutagenicity.....	No component of this product present at levels greater than or equal to 0.1% .	
STOT-SE.....	Target organs:. Central nervous system. Respiratory system.	
STOT-RE.....	Not classified.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Very toxic to aquatic life with long lasting effects.
Bioaccumulative potential.....	Not available as a product.
Mobility in soil.....	Not available as a product.
Persistence and degradability.....	Not available as a product.
Other adverse effects.....	None known.

PRODUCT: 12590 PRODUCTION CLEAR LOW COST 4:1**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.

SECTION 14: TRANSPORT INFORMATION

UN number..... UN1263.
 Shipping name..... Paint Related Material.
 Class..... 3.
 Packaging group..... II.
 Exemptions..... This product meets the Limited Quantity exemption when packaged in containers less than 5 liters.
 DOT Classification (Road)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - Ltd Qty (1 litre). Refer to 49CFR 172.101 for additional non-bulk packaging requirements.
 IATA Classification (Air)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.
 IMDG Classification (Marine)..... UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity. Check IMDG regulations for limited quantity exemptions.
 Marine Pollutant..... Potential marine pollutant.
 Proof of Classification..... This product has been classified in accordance with DOT and Canada's Part 2 of the Transportation of Dangerous Goods regulations.

SECTION 15: REGULATORY INFORMATION

CEPA status..... On Domestic Substances List (DSL).
 Categorization of the DSL..... Some components met the criteria under subsection 73(1) of CEPA during categorization of the DSL. Please check to see if this affects your company. (CAS # 41556-26-7). (CAS # 556-67-2). (CAS # 541-02-6). (CAS # 540-97-6). (CAS # 108-10-1). (CAS # 64742-48-9). (CAS # 27253-30-1). (CAS # 67-64-1).
 National Pollutant Release Inventory (NPRI)..... Some components are subject to reporting under NPRI. Please check your responsibility. (CAS # 108-65-6 (CAT 5)). (CAS # 108-10-1 (CAT 1A & 5)). (CAS # 64742-48-9 (CAT 5)). (CAS # 141-78-6 (CAT 5)).
 Environmental Emergency Regulations.... Some components of this product are on the Environmental Emergency Regulations and may require additional reporting. (CAS # 41556-26-7).
 Non-Regulatory Instrument..... Some of the components in this product are subject to a Non-Regulatory Instrument. Additional reporting may be required. (CAS # 556-67-2).
 TSCA inventory status..... All components are either listed or exempt from the TSCA. .
 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..... Methyl Isobutyl Ketone. n-Butyl Acetate. Ethyl acetate. Acetone.
 EPA hazardous air pollutants (HAPS) Ethyl acetate. Methyl Isobutyl Ketone.
 40CFR63
 California Proposition 65..... *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause birth defects or other reproductive harm. (Methyl Isobutyl Ketone (C)). *** ! WARNING: This product can expose you to chemicals including [see below], which are known to the State of California to cause cancer . (Methyl Isobutyl Ketone (D)). For more information, go to www.P65Warnings.ca.gov.

SECTION 16: OTHER INFORMATION

Prepared by: REGULATORY AFFAIRS.
 Telephone number:..... (800) 387-7981.
 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.
 Review Date:..... 2022-11-30.
 Date of the latest revision of the safety data sheet .. 2023-08-24