



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

PRODUCT: 13164 2K EPOXY PRIMER/SEALER ACTIVATOR 2.1 V.O.C.

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..... 13164 2K EPOXY PRIMER/SEALER ACTIVATOR 2.1 V.O.C.

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

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 4 Reactivity: 0.

HMIS..... H: 2 F: 4 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 Liquid 2. Skin Corrosion/Irritation - Category 1B. Sensitization - Skin — Category 1. Serious Eye Damage/Eye Irritation — Category 1. Specific Target Organ Toxicity — Single Exposure — Category 3. (Respiratory System). (CNS). Acute Toxicity (Oral) — Category 4. Acute Toxicity (Inhalation) — Category 4. Aquatic Chronic 3.

Hazard Description..... H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H332 Harmful if inhaled. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H412 Harmful to the aquatic life with long lasting effects.

Prevention..... 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. P260 Do not breathe mist, vapours, or spray. P261 Avoid breathing mists, vapours and sprays. P264 Wash hands thoroughly after handling. P270 Do not eat drink or smoke while using this product. 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 P301 + P312 If swallowed call a poison control centre. P301 + P330 + P331 If Swallowed: Rinse mouth. Do NOT induce vomiting. 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. P310 - Immediately call your local poison control centre. P312 Call a POISON CENTER/doctor if you feel unwell. P321 - For specific treatment see section 4 on this SDS. P330 Rinse mouth. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P362 + P364 - Take off contaminated clothing and wash before reuse. P363 - Wash contaminated clothing before reuse. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish.

Storage..... P403+P433+P435 Store in a well ventilated area. Keep container tightly closed. Keep cool. P403 + P235 Store in well ventilated area. Keep cool.

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

Other hazards..... None known.

PRODUCT: 13164 2K EPOXY PRIMER/SEALER ACTIVATOR 2.1 V.O.C.**SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
4-Chlorobenzotrifluoride	98-56-6	10-30
Fatty acids, C18-unsatd., dimers, polymers with triethylenetetramine, reaction products with poly (bisphenol A diglycidyl ether)	68424-41-9	5-10
1-Methoxy-2-propanol	107-98-2	1-5
2,4,6-Tris(Dimethylaminomethyl) Phenol	90-72-2	0.1-1
Butyl Alcohol	71-36-3	0.1-1
Acetate Ester	HMIRA # 9610	N/Ap
Aromatic alcohol	HMIRA # 9610	N/Ap
Carbonate	HMIRA # 9610	N/Ap
Acetate Ester	HMIRA # 9615	N/Ap
Aryl Halides	HMIRA # 9615	N/Ap

<<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. Get medical attention immediately.
Skin contact.....	If irritation persists, seek medical attention. 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. Rinse skin with cold water.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	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. If ingestion is suspected, contact physician or poison control center immediately.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Can cause skin sensitization. Causes severe skin and 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. High vapour concentrations may be irritating to the respiratory tract.
Indication of immediate medical attention and special treatment needed, if necessary	Treat 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" foam, CO2, dry chemical. In cases of larger fires, water spray should be used.
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	During fire, gases hazardous to health may be formed. Do not allow run-off from fire fighting to enter drains or water courses. Vapors may form explosive mixture in air. Vapors may travel considerable distance to a source of ignition and flash back. . Use water spray to cool containers.
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. Move containers from fire area if this can be done without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. Remove all sources of ignition. Remove material with absorbents and/or non sparking tools. 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. Avoid breathing vapours. Beware of vapours accumulating to form explosive concentrations. Vapors can accumulate in low lying areas.
Environmental precautions.....	Do not allow product to leak into drains or waterways. If spill does contaminate waterways then inform authorities.

PRODUCT: 13164 2K EPOXY PRIMER/SEALER ACTIVATOR 2.1 V.O.C.**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Methods and materials for containment and cleaning up . . . Cover spill with inert absorbant material. Sweep up and place in container for proper disposal. Always wear ppe during cleanup. Use non-sparking tools. Ventilate. Eliminate all sources of ignition. Clean up any residual material with absorbent and dispose of as hazardous waste. Flush area with water. Inform all applicable Federal, Provincial and Local authorities of any spill.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling..... Keep away from heat, sparks, and open flame. Do not spray on a naked flame or any incandescent material. Vapours may form explosive mixtures with air. Take precautions against static discharge. Avoid direct sunlight. Keep container closed when not in use. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Use non sparking tools. Avoid breathing vapours or mist. Handle and open container with care. Do not eat, drink or smoke while using this product. Employees should wash hands and face before eating or drinking. Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage, including any incompatibilities Keep away from heat, sparks, and open flames. Store in a cool area, away from all sources of heat and ignition. Keep container closed when not in use. Store away from sunlight. No smoking. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established	Not established
Fatty acids, C18-unsatd., dimers, polymers with triethylenetetramine, reaction products with poly (bisphenol A diglycidyl ether)	Not established		Not established			Not established
1-Methoxy-2-propanol	No data 150 PPM	No data	No data	No data	No data	No data
2,4,6-Tris(Dimethylamino methyl) Phenol	Not available	Not available	Not available	Not available	Not available	Not available
Butyl Alcohol	Not available 20 ppm CA ON: 20 ppm (TWA)	Not established	100 ppm	Not established	50 ppm skin	
Acetate Ester	200 ppm Not available	Not available	200 ppm	Not available	Not available	Not available
Aromatic alcohol	Not available Not available	Not available	Not available	Not available	Not available	Not available
Carbonate	Not available Not available	Not available	Not available	Not available	Not available	Not available
Acetate Ester	Not available 200 ppm - TWA	Not available	Not available	Not available	Not available	Not available
Aryl Halides	Not available Not available	Not available	Not available	Not available	Not available	Not available
Appropriate engineering controls.....	Local exhaust should be used to maintain levels below the exposure limits. Ensure proper ventilation if dust, mist, vapour is created during use.					
Personal Protective Equipment 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.					
Eye/type.....	Liquid chemical goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Consult your personal protective equipment supplier for additional recommendations.					

PRODUCT: 13164 2K EPOXY PRIMER/SEALER ACTIVATOR 2.1 V.O.C.**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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.
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.....	Colourless.
Odour.....	Aromatic.
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.....	4°C.
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Flammable liquid.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Vapour pressure (mm Hg).....	Not available.
Vapour density (air=1).....	Not available.
Relative Density (Specific Gravity).....	1.022.
Solubility.....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
Auto ignition temperature (deg C).....	Not available.
Decomposition temperature.....	Not available.
Viscosity.....	Not available.
% Volume Volatile exempt.....	83.99.
Formula LBS/GAL.....	8.53.
% Weight Solids.....	10.10.
% Volume Solids.....	11.16.
% Weight Volatile (VOC).....	4.20.
% Volume Volatile (VOC).....	4.83.
LBS VOC/GAL solids.....	3.2.
Total MIR.....	0.07.
Coverage (sq ft/gal @ 1 mil).....	179.
VOC LBS/GAL less exempt volatiles.....	2.24.
VOC LBS/GAL less water.....	0.36.
Percent weight binder.....	10.1.
Percent volume binder.....	11.2.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	May react with oxidizing agents. Keep away from heat, sparks and open flames.
Chemical stability.....	Stable at normal temperatures and pressures.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur. Vapours may form explosive mixture with air.
Conditions to avoid, including static	Avoid heat, spark, open flames and other sources of ignition. Avoid temperatures exceeding 4 C. Keep away from incompatible materials. Do not mix with other chemicals.
discharge, shock or vibration	
Incompatible materials.....	Acids. Halogens. Oxidizing agents. Reducing agents. Bases. Mineral acids. Sodium hypochlorite. Peroxides.
Hazardous decomposition products.....	May include but not limited to: Oxides of carbon (CO,CO2). Ammonia. Nitric acid. Nitrogen oxides. Free isocyanates. Acetaldehyde. Acrylonitrile. Hydrogen cyanide. Hydrocarbons. Hydrogen chloride. Hydrogen fluoride.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
4-Chlorobenzotrifluoride	4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
Fatty acids, C18-unsatd., dimers, polymers with triethylenetetramine, reaction products with poly (bisphenol A diglycidyl ether)	Not available	Not available
1-Methoxy-2-propanol	15000 PPM/ 4 HR RAT	5200 MG/KG rat oral

PRODUCT: 13164 2K EPOXY PRIMER/SEALER ACTIVATOR 2.1 V.O.C.**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
2,4,6-Tris(Dimethylaminomethyl) Phenol	>0.5 mg/L 1Hr Inhalation, Rat	1200 mg/kg oral rat 1280 mg/kg dermal rabbit
Butyl Alcohol	8,000 ppm 4 hours	790 mg/kg rat oral 3,400 mg/kg rabbit dermal
Acetate Ester	Not available	Not available
Aromatic alcohol	Not available	Not available
Carbonate	Not available	Not available
Acetate Ester	Inhalation >16000 ppm (Rat)	Oral >5000 mg/kg (Rat) Dermal >5000 mg/kg (Rabbit)
Aryl Halides	Inhalation 33 mg/L/4h (Rat)	Oral >13000 mg/kg (Rat) Dermal >2000 mg/kg (Rabbit)
Acute Toxicity Estimate (ATE).....	ATE: LC50 inhalation; 26.8 mg/L (8% unknown); LD50 oral: 19600 mg/L - ingredient results.	
Route of exposure.....	Eye contact. Skin contact. Inhalation. Ingestion.	
Symptoms related to the physical, chemical and toxicological characteristics	Not available.	
Skin corrosion/irritation.....	Causes severe burns. May cause skin allergic skin reaction and sensitization.	
Respiratory or Skin Sensitization.....	May cause sensitization by skin contact.	
Serious eye damage/eye irritation.....	Risk of serious damage to eyes.	
Aspiration Hazard.....	Not classified.	
Carcinogenicity.....	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.	
Reproductive effects.....	No component of this product present at levels greater than or equal to 0.1% .	
STOT-SE.....	Certain components of this product may cause damage to the respiratory system and the Central Nervous System. Certain components of this product causes narcotic effects.	
STOT-RE.....	Not classified.	

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.....	Product data not available.
Other adverse effects.....	Do not allow to enter waters, waste water or soil.

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.
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SECTION 14: TRANSPORT INFORMATION

TDG Classification.....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - 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 (5 L). Refer to 49CFR 172.101 for additional non-bulk packaging requirement.
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.....	No.
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).
National Pollutant Release Inventory (NPRI)	Some components are subject to reporting under NPRI. Please check your responsibility. (CAS # 71-36-3 (Cat 1A)).
Environmental Emergency Regulations Categorization of the DSL.....	Some components may have met the criteria under subsection 73(1) of CEPA during categorization of the DSL. Please check to see if this affects your company. (CAS # 71-36-3).

PRODUCT: 13164 2K EPOXY PRIMER/SEALER ACTIVATOR 2.1 V.O.C.

SECTION 15: REGULATORY INFORMATION

Schedule 8 of the New Substances (CAS # 71-36-3).
 Notification Regulations - additional reporting may be required
 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
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.
 Section 313..... Butyl alcohol.
 EPA hazardous air pollutants (HAPS) None.
 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 cancer . (4-Chlorobenzotrifluoride).

SECTION 16: OTHER INFORMATION

Prepared by: REGULATORY AFFAIRS.
 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.
 Date of the latest revision of the safety .. 2024-09-24
 data sheet