D

PR

### SAFETY DATA SHEET

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

# PRODUCT: 13402 DTM 2K URETHANE PRIMER ACTIVATOR

**FORM** 

### **SECTION 01: IDENTIFICATION**

Initial supplier identifier	604 McGeachie Drive Milton, Ontario L9T3Y5
Product identifier	Tel (905) 878-4990 Fax (905) 878-1189
	13402 DTM 2K URETHANE PRIMER ACTIVATOR
Recommended use and restrictions on	Paints, Accelerator and activator.
use	
	Mixturo
Chemical family NFPA rating	Mixture.
NFPA rating	Health: 2 Fire: 4 Reactivity: 1.
HMIS	H: 2 F: 4 R: 1.
	For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);
	IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.
	IN THE UNITED STATES CALL CHEMITREC 1-600-424-9300.
	** For medical emergencies contact your local poison control centre **.

### **SECTION 02: HAZARD IDENTIFICATION**



Signal Word Hazard Classification	DANGER. Flammable Liquid 2. Skin Sensitizer — Category 1. Acute Toxicity (Inhalation) —
	Category 4. Specific Target Organ Toxicity — Single Exposure — Category 3. (respiratory system). (narcotic effects).
Hazard Description	H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.
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. P261 Avoid breathing mists, vapours and sprays. P271 Use only outdoors or in a well ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves and eye protection.
Response	P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P302 + P352 - If on skin: wash with plenty of water. P362 + P364 - Take off contaminated clothing and wash before reuse. P333 + P313 If skin irritation or rash occurs, get medical advice/attention.
Storage	
Disposal Note	P501 Dispose all unused, waste or empty containers in accordance with local regulations. This product mixture has been classified based on its ingredients.

### **SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
tert-Butyl acetate	540-88-5	60-80
Homopolymer of HDI	28182-81-2	15-40

**ECIS** 

<<The actual concentration(s) withheld as a trade secret>> .

# Page 2

### 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.
Skin contact	Obtain medical attention. Immediately flush skin with plenty of soap and water. Remove contaminated clothing.
Inhalation	Wash clothing before reuse. If irritation persists, seek medical attention. 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. Rinse mouth with water. 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.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Can cause skin sensitization. May cause respiratory sensitization. High vapour concentrations may be irritating to the
-	respiratory tract. Can cause central nervous system depression. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Additional information	Treat victims symptomatically. In all cases, if irritation persists seek medical attention. Skin: this compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn. 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 Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Dry chemical. Carbon dioxide. Foam. In cases of larger fires, water spray should be used. Do not use water in a jet. 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. This material may produce a floating fire hazard. Thermal decomposition products are toxic. May include:. Oxides of carbon (CO, CO2). Smoke. Other potentially toxic fumes. Under hot acidic conditions:. Isobutylene. Acetic acid. Thermal decomposition may release isocyanate vapors.
Special protective equipment andprecautions for fire-fighters	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.

### 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. 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. Take precautions against static discharge. Equipment should be grounded.
Methods and materials for containment and cleaning up	
Leak/spill	Ventilate. Eliminate all sources of ignition. Avoid all personal contact. Evacuate all non-essential personnel. Contain the spill. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. 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.

### **SECTION 07: HANDLING AND STORAGE**

Precautions for safe handling	vapours, mist or dust. Wear respiratory protection if material is heated, sprayed, used in confined space, or if exposure limit is exceeded. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed vapour or spray mist. Prevent accumulation of electrostatic charges. Ensure that equipment is properly bonded and grounded during filling and transferring as product may become electrostatically charged. Avoid skin and eye contact. Wash thoroughly after handling.
incompatibilities	flames. Store in tightly closed containers to prevent moisture contamination. Attacks some types of rubber, plastics and coatings.



# SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	NIOSH REL
tert-Butyl acetate	200 ppm	Not established	200 ppm	Not established	200 ppm
		50ppm (TWA), 200ppm (ST			_ / _
Homopolymer of HDI	5 mg/m3	Not established	5 mg/m3	Not established	5 mg/m3
	Supplier: 0.5 mg	g/m3 (TWA)			
Appropriate engineerir	ng controls	exposure limits. Local me contamination, such as or gases and fumes that ma	chanical exhau pen process ec y be emitted. S ustrial ventilati	on to control exposure levels be ust ventilation should be used a quipment, or during purging op Standard reference sources reg on) should be consulted for gu	at sources of air erations, to capture garding industrial
Personal Protective Ec			•		
Eye/type				ield if a splash hazard exists.	
Gloves/ type		the nature of the work to l rubber. Contact glove su thoroughly before handlin	be performed. pplier for recor	election of skin protection equip The following gloves are reco nmendations. Practice good hy	ment depends on mmended :. Butyl /giene, wash
Respiratory/type		recommended. Wheneve not known, respiratory pro equipped with an organic	r concentratior otection must b vapour cartrid	tor or a self-contained breathin ns of isocyanates exceed the e be worn. At least an air-purifyin ge and particulate pre-filters m rator is mandatory when airbor	xposure limit or are g respirator ust be worn. The use
				are 10 times the appropriate e ce or with limited ventilation. D	
Clothing/type		Wear adequate protective	e clothes. Wea	r impervious protective clothing	<b>j</b> .
Footwear/type		. Safety boots per local reg			
Other/type		<ul> <li>Emergency showers and employees on the safe us</li> </ul>	eye wash stati	ions should be available. Educ	ate and train
Medical surveillance		<ul> <li>Medical supervision of all recommended. These sh with pulmonary function te conditions, chronic broncl or sensitization should be</li> </ul>	employees wh ould include p est (FEC, FVC nitis, other chro excluded from	no handle or come in contact w reemployment and periodic me as a minimum). Persons with pnic respiratory diseases or ree n working with isocyanates. Or	edical examinations asthmatic-type curring skin eczema nce a person is
				te, no further exposure can be isocyanate, no further exposu	

### SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state Colour Odour threshold (ppm) PH Melting / Freezing point (deg C) Initial boiling point / boiling range (deg C). Flash point (deg C), method Evaporation rate Flammability (solids and gases) Upper flammable limit (% vol) Lower flammable limit (% vol) Lower flammable limit (% vol) Vapour pressure (mm Hg) Vapour density (air=1) Relative Density (Specific Gravity) Pounds / USG Solubility Partition coefficient — n-octanol/water Auto ignition temperature (deg C) Decomposition temperature Viscosity % Volatile by volume VOC (less water)	
---	--

TECIS

#### **SECTION 10: STABILITY AND REACTIVITY**

Reactivity Chemical stability Possibility of hazardous reactions	Product is stable; hazardous polymerization will not occur. Stable at normal temperatures and pressures. Reacts with;. Alcohols. Amines. substances which contain active hydrogen. Reacts with water, with formation of carbon dioxide.
Conditions to avoid, including static discharge, shock or vibration	Avoid heat, spark, open flames. Moisture.
Incompatible materails Hazardous decomposition products	Strong oxidizing agents. Acids. Alkalies. Nitrates. Plastics. Water. Alcohols. Amines. No hazardous decomposition products when stored and handled correctly. Under hot acidic conditions:. Isobutylene and acetic acid.

### **SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS		LC50	LD50
tert-Butyl acetate		>2,230 mg/m3 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
Homopolymer of HDI		390-453 mg/m3 rat 4 hours	> 5,000 mg/kg (rat, oral); > 5,000 mg/kg (rabbit, dermal)
Route of exposure Symptoms related to the physical, chemica and toxicological characteristics Effects of acute exposure	Can be irritating to eyes a	t. Inhalation. and skin. May cause sensitization b aled. Inhalation may cause respirat	
	vapours or mist may caus sensitization of the respir exposure limits can irritat tract. This can cause a r breathing and reduced pu bronchial hyperreactivity symptoms, as well as ast bronchitis, bronchial spas pneumonitis, with flu-like delayed up to several hou central nervous system e	se drowsiness or dizziness. The sul atory tract. Isocyanate vapour/mists e (burning sensation) the mucous r unny nose, sore throat, coughing, c ulmonary functioning. Persons with can respond to concentrations belo hma attack. Exposure well above t sm and pulmonary edema. Chemic symptoms has also been reported. urs after exposure. Effects are usu ffects such as headache, nausea, v	ostance may cause at concentrations above the nembranes in the respiratory hest discomfort, difficult pre-existing, nonspecific w the TLV with similar he TLV or PEL may lead to al or hypersensitive These symptoms can be ally reversible. May cause yomiting and weakness.
Effects of chronic exposure	function. Prolonged skin and in some cases, sens large dose, certain individ later exposure to product	contact may cause lung damage, ir contact may cause reddening, swel itization. As a result of previous rep duals develop sensitization which w at levels well below the exposure li isuse by deliberately concentrating	ling, rash, scaling, blistering, eated overexposure or a single ill cause them to react to a imit. Sensitization can be
Sensitizing capability of material	Isocyanates are known to	o cause skin and respiratory sensitizatory sensitizatory sensitization can result from s	
Carcinogenicity of material	No component of this pro- as probable, possible or (	confirmed human carcinogen by IA effects were found in the literature	or equal to 0.1% is identified RC or ACGIH.
Mutagenicity Specific Target Organ Toxicity Acute Toxicity Estimate (ATE)	The data does not allow	for an adequate assessment of the r dizziness. May cause respiratory i	mutagenic effect.

### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....

Product data 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.

### **SECTION 14: TRANSPORT INFORMATION**

TDG Classification	-
DOT Classification (Road)	the UN Re
IATA Classification (Air)	

UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters. UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - Ltd Qty (1 litre). Refer to 49CRF 172.101 for additional non-bulk packaging requirements. UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Limited Quantity. Do not ship by air without checking appropriate IATA regulations.

Powered by



### **SECTION 14: TRANSPORT INFORMATION**

IMDG Classification (Marine)	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E.
Marine Pollutant	Limited Quantity. Check IMDG regulations for limited quantity exemptions. No.
Proof of Classification	
	2, 2014) - we certify that classification of this product is correct.

# SECTION 15: REGULATORY INFORMATION

CEPA status TSCA inventory status	
OSHA SARA Title III	This product is considered hazardous under the OSHA Hazard Communication Standard.
Section 302 - extremely hazardous	None.
	Immediate health, delayed health, fire hazard. None above De minimus % limit.
EPA hazardous air pollutants (HAPS)	
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.

(Methanol). For more information, go to www.P65Warnings.ca.gov.

### **SECTION 16: OTHER INFORMATION**

Prepared by: Telephone number: 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
Review Date:	relate to its use in combination with any other material or in any other process.
Date of the latest revision of the safety	2022-11-30.
data sheet	2020-05-13

