PRO

SAFETY DATA SHEET

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

PRODUCT: 12372 SLOW ACTIVATOR FOR 12370

FORM

SECTION 01: IDENTIFICATION

Product identifier Other means of identification	12372 SLOW ACTIVATOR FOR 12370
Chemical family Recommended use and restrictions on use	Mixture. Paints. Accelerator and activator.
Initial supplier identifier	Pro Form Products Ltd. 604 McGeachie Drive
	Milton, Ontario L9T3Y5 Tel (905) 878-4990 Fax (905) 878-1189
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 **.
- NFPA rating	Health: 2 Fire: 4 Reactivity: 1
HMIS	

SECTION 02: HAZARD IDENTIFICATION



Hazard Classification	Flammable Liquid 2. Skin Irritation — Category 2. Skin Sensitizer — Category 1. Eye Irritation — Category 2A. Acute Toxicity (Inhalation) — Category 4. Specific Target Organ Toxicity — Single Exposure — Category 3. (respiratory system). (narcotic effects).
Signal Word Hazard Description	DANGER. H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335
Prevention	May cause respiratory irritation. H336 May cause drowsiness or dizziness. 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. P280 Wear protective gloves and eye protection.
Response	P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . 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. 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. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.
Storage	P233 Keep container tightly closed. P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up.
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. %	
Homopolymer of HDI	28182-81-2	30-60	
4-Chlorobenzotrifluoride	98-56-6	10-30	
tert-Butyl acetate	540-88-5	10-30	

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SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

 $<<\mbox{The actual concentration(s)}$ withheld as a trade secret>> % (x,y) = (x,y)

SECTION 04: FIRST-AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is
Ingestion	difficult, give oxygen, obtain medical attention. If ingestion is suspected, contact physician or poison control center immediately. Rinse mouth with water. 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.
Skin contact	Immediately remove all contaminated clothing, flush skin with water for at least 15 minutes. Wash clothing before reuse. If irritation persists, seek medical attention.
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.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. High vapour concentrations may be irritating to the respiratory tract. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Can cause central nervous system depression. Can cause skin sensitization. Causes skin and eye irritation. Symptoms can include reddening, itching, and swelling of skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Additional information	In all cases, if irritation persists seek medical attention. Eye: stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Workplace vapours have produced reversible corneal epithelial edema impairing vision. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate. Skin: this compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn. Ingestion: treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. Respiratory: this compound is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate. 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 thehazardous product, such as the nature of any hazardous combustion products Special protective equipment andprecautions for fire-fighters Dry chemical. Carbon dioxide. Foam. In cases of larger fires, water spray should be used. Do not use water in a jet.

Oxides of carbon (CO, CO2). Oxides of nitrogen. Smoke. Hydrogen cyanide. Isocyanates. Under hot acidic conditions:. Isobutylene. Acetic acid.

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. Take precautions against static discharge. Equipment should be grounded. Use non-sparking tools and equipment to pick up the spilled material. 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.
Methods and materials for containment and cleaning up Leak/spill	Ventilate. Eliminate all sources of ignition. Evacuate all non-essential personnel. Contain the spill. Avoid all personal contact. 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%). 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. Decontaminate floor with decontamination solution, letting stand for at least 15 minutes.
Clean up	Decontaminate floor with decontamination solution, letting stand for at least 15 minutes.



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SECTION 07: HANDLING AND STORAGE

Precautions for safe handling	Ensure that equipment is properly bonded and grounded during filling and transferring as product may become electrostatically charged. Use adequate ventilation. Do not breathe vapours, mist or dust. Wear respiratory protection if material is heated, sprayed, used in confined space, or if exposure limit is exceeded. Warning properties (irritation of the eyes, nose and throat or odour) are not adequate to prevent chronic overexposure from
Conditions for safe storage, including any incompatibilities	inhalation. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed vapour or spray mist. Avoid skin and eye contact. Wash thoroughly after handling. Employee education and training are important. Keep away from heat, sparks, and open flames. Exposure to vapours of heated isocyanates can be extremely dangerous. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Do not store above 50 deg C.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	CGIH TLV STEL	OSH/ PEL	A PEL STEL	NIOSH REL
Homopolymer of HDI	5 mg/m3 Supplier: 0.5 mg/	Not established /m3 (TWA)	5 mg/m3	Not established	5 mg/m3
4-Chlorobenzotrifluoride	Not established	Not established	Not established	Not established	Not established
tert-Butyl acetate	200 ppm CA ON AB BC: 5	Not established Oppm (TWA), 200ppm (ST	200 ppm EL)	Not established	200 ppm
Appropriate engineering Personal Protective Equi Respiratory/type	ipment	Provide natural or mecha exposure limits. Local me contamination, such as or gases and fumes that ma ventilation (ie. ACGIH ind adequate ventilation. Exp Whenever concentrations respiratory protection mus use in isocyanate-contain self-contained breathing a	chanical exhaust vent ben process equipmer y be emitted. Standard ustrial ventilation) sho losion-proof exhaust v of isocyanates excee st be worn. Use a resp ing environments. A p	ilation should be used a it, or during purging ope d reference sources reg uld be consulted for gui entilation. d the exposure limit or a irator that is recommen ositive pressure, supplie	t sources of air erations, to capture arding industrial dance about are not known, ded or approved for ed-air respirator or a
Eye/type		respirator. Liquid chemical goggles.			
Gloves/ type		exists. Contact lenses sho Wear skin protection equi the nature of the work to b rubber. Contact glove su	pment. The selection of performed. The fol	of skin protection equipr lowing gloves are recon	nent depends on
Clothing/type		Wear adequate protective			
Footwear/type Other/type		Safety boots per local reg Emergency showers and employees on the safe us hands and face before ea	eye wash stations sho and handling of the	uld be available. Educa product. Employees sh	te and train ould wash their
Medical surveillance		Medical supervision of all recommended. These sh with pulmonary function te conditions, chronic bronch or sensitization should be diagnosed as sensitized t person is diagnosed as se	employees who hand ould include preemplo est (FEC, FVC as a mi hitis, other chronic res excluded from workin o an isocyanate, no fu	e or come in contact wi syment and periodic me nimum). Persons with piratory diseases or rec g with isocyanates. On rther exposure can be p	dical examinations asthmatic-type urring skin eczema ce a person is permitted. Once a

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Liquid. Light yellow. Slight. Characteristic odour.
Not available.
Not applicable. < 0 °C.
> 98 °C. 4 °C. (estimate: lowest flash point ingredient).
Not available.
Not applicable. Flammable liquid.
0.9. Not available.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

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)	1.127. 9.41. Negligible. Not available. Not available. Not available. 14" Zahn #2.
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SECTION 10: STABILITY AND REACTIVITY

Reactivity	Contact with moisture, other materials that react with isocyanates, or temperatures above
	177 C, may cause polymerization.
Chemical stability	Stable at normal temperatures and pressures.
Possibility of hazardous reactions	Contact with moisture, other materials that react with isocyanates, or temperatures above
	177C, may cause polymerization.
Conditions to avoid, including static	Avoid heat, spark, open flames.
discharge, shock or vibration	
Incompatible materails	Water, Amines, Strong bases, Alcohols, Copper alloys. Strong oxidizing agents. Nitrates.
	Acids. Some plastics.
Hazardous decomposition products	Hazardous decomposition products depend on temperature, air supply, and the presence
······	of other materials. See hazardous combustion products section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50
Homopolymer of HDI		390-453 mg/m3 rat 4 hours	> 5,000 mg/kg (rat, oral); > 5,000 mg/kg (rabbit, dermal)
4-Chlorobenzotrifluoride		4479 ppm	>6,800 mg/kg (rat oral); >2,700 mg/kg (rabbit dermal)
tert-Butyl acetate		>2,230 mg/m3 4 hours rat	4,100 mg/kg (rat, oral); >2,000 mg/kg (rabbit, dermal)
Route of exposure Symptoms related to the physical, chemica and toxicological characteristics Skin contact	Causes skin irritation. Ca	t. Inhalation. uses reddening, stinging and swelli e allergic reaction with symptoms o	ng. Persons previously f reddening, itching, swelling
Eye contact	and rash. Cured product Causes eye irritation. Ca corneal damage. Vapour Isocyanate vapour/mists sensation) the mucous m sore throat, coughing, ch functioning. Causes runn and reduced pulmonary f hyperreactivity can respons symptoms as well as ast bronchitis, bronchial spase pneumonitis, with flu-like delayed up to several ho nose and throat, resulting	is difficult to remove. n cause tearing, reddening and swe	elling. May cause temporary ure limits can irritate (burning This can cause a runny nose, ad reduced pulmonary t discomfort, difficult breathing g, nonspecific bronchial osure limit with similar e exposure limit may lead to al or hypersensitive These symptoms can be a may be irritating to the eyes, eyes, dryness of the throat and
Ingestion	dizziness, headache, nau may cause anesthetic eff May be harmful or fatal if cause central nervous sy As a result of previous re develop sensitization whi well below the exposure shortness of breath or as that once sensitized, an i cold air or other irritants.	usea and asphyxiation. Breathing of fects and serious health effects. swallowed. Can result in irritation in stem effects such as headache, na peated overexposure or a single lai ich will cause them to react to a late limit. Symptoms including chest tigh thma attack, could be immediate or ndividual can experience these sym This increased lung sensitivity can I years. Sensitization can be perma	high vapour concentrations In the digestive tract. May usea, vomiting and weakness. rge dose, certain individuals or exposure to product at levels ntness, wheezing, cough, delayed. There are reports nptoms upon exposure to dust, persist for weeks and, in

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SECTION 11: TOXICOLOGICAL INFORMATION

Effects of chronic exposure	exposure may cause lung damage, including a decrease in lung function. Prolonged vapour contact may cause conjunctivitis. Prolonged skin contact may cause reddening, swelling, rash, scaling, blistering, and in some cases, sensitization. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
Carcinogenicity of material	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 Sensitizing capability of material Specific Target Organ Toxicity	No component of this product present at levels greater than or equal to 0.1% . May cause sensitization by skin contact.

SECTION 12: ECOLOGICAL INFORMATION

Environmental.....

..... No product data. 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. Empty containers must be handled with care due to product residue.

SECTION 14: TRANSPORT INFORMATION

TDG Classification	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - This product meets
DOT Classification (Road)	
IATA Classification (Air)	Refer to 49CRF 172.101 for additional non-bulk packaging requirements. UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Limited Quantity.
IMDG Classification (Marine)	Do not ship by air without checking appropriate IATA regulations. 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 Proof of Classification	No.
	2, 2014) - we certify that classification of this product is correct.

SECTION 15: REGULATORY INFORMATION

CEPA status TSCA inventory status	On Domestic Substances List (DSL). All components are listed.
OSHA	This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III Section 302 - extremely hazardous	None.
substances Section 311/312 - hazard categories	Immediate health, delayed health, fire hazard.
Section 313	None above De minimus % limit.
EPA hazardous air pollutants (HAPS) 40CFR63	
California Proposition 65	This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity. For more information, go to www.P65Warnings.ca.gov.

SECTION 16: OTHER INFORMATION

Prepared by: Telephone number: Disclaimer:	(800) 387-7981. DISCLAIMER: All information appearing herein is based upon data obtained from experience and recognized technical sources. To the best of our knowledge, it is t to be correct as of the date of issue but we make no representations as to its accu sufficiency and do not suggest or guarantee that any hazards listed herein are the 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 compl
Review Date: Date of the latest revision of the safety data sheet	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. 2022-11-30. 2020-10-23

