PRO

# SAFETY DATA SHEET

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

# PRODUCT: 12392 FAST ACTIVATOR FOR 12390

FORM

# **SECTION 01: IDENTIFICATION**

Initial supplier identifier	
	604 McGeachie Drive
	Milton, Ontario L9T3Y5
	Tel (905) 878-4990 Fax (905) 878-1189
Product identifier	12392 FAST ACTIVATOR FOR 12390
Recommended use and restrictions on	Paints. Accelerator and activator.
use	
Chemical family	Mixture.
Chemical family NFPA rating	Health: 2 Fire: 3 Reactivity: 1.
HMIS	H: 2 F: 3 R: 1.
24 hour emergency number:	For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);
0,	IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.
	** For medical emergencies contact your local poison control centre **.
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# **SECTION 02: HAZARD IDENTIFICATION**



o:	
Signal Word Hazard Classification	DANGER. Flammable Liquid 2. Skin Sensitizer — Category 1. Eye Irritant 2. Acute Toxicity
	(Inhalation) — Category 4. Respiratory Sensitizer — Category 1. Specific Target Organ
	Toxicity — Single Exposure — Category 3. (respiratory system). Carcinogenicity — Category 2. Reproductive Toxicity — Category 2.
Hazard Description	H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319
·	Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma
	symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H351 This product contains ingredients that are suspected of causing cancer. H361 Suspected of
	damaging fertility or the unborn child.
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. P280 Wear protective gloves and eye protection. P261 Avoid breathing mists, vapours and sprays. P284 In case of inadequate ventilation wear respiratory
	protection. P271 Use only outdoors or in a well ventilated area. P264 Wash thoroughly
	after handling. P272 Contaminated work clothing should not be allowed out of the workplace.
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. P333 + P313 If skin irritation or rash occurs, get medical advice/attention. P362 +
	P364 - Take off contaminated clothing and wash before reuse. 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. P342 + P311 If experiencing respiratory symptoms; call
Storago	poison center or doctor. P321 - For specific treatment see section 4 on this SDS.
Storage	P403 + P235 Store in well ventilated area. Keep cool. P233 Keep container tightly closed. P405 Store locked up.
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.



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SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS			
CHEMICAL NAME AND SYNONYMS	CAS #	WT. %	
Propylene Glycol Monomethyl Ether Acetate	108-65-6	35-45	
Homopolymer of HDI	28182-81-2	15-25	
Ethyl Acetate	141-78-6	10-20	
n-Butyl Acetate	123-86-4	10-20	
Homopolymer of IPDI	53880-05-0	3-7	
Methyl Isobutyl Ketone	108-10-1	1-3	
n-Amyl acetate	628-63-7	1-3	
Ethyl 3-Ethoxypropionate	763-69-9	1-3	
Diisobutyl Ketone	108-83-8	<2	
1,2,4-Trimethylbenzene	95-63-6	<2	
Propyl Benzene	103-65-1	<2	
1,3,5-Trimethylbenzene	108-67-8	<2	
Solvent Naphtha, Light Aromatics	64742-95-6	0.5-1.5	
Xylene	1330-20-7	<0.3	
Cumene	98-82-8	<0.3	
Isophorone Diisocyanate	4098-71-9	<0.2	

#### SECTION 04: FIRST-AID MEASURES In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at Eye contact..... least 15 minutes. Check for and remove any contact lenses, if safe and easy to do so. Obtain medical attention. Immediately flush skin with plenty of soap and water. Remove contaminated clothing. Skin contact..... 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 Inhalation..... difficult, give oxygen, obtain medical attention. If swallowed, drink plenty of water. Wash out mouth repeatedly. Do not induce vomiting. If Ingestion..... 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. Get medical attention. Harmful if swallowed, in contact with skin or if inhaled. Symptoms may include stinging, Most important symptoms and effects, ..... whether acute or delayed tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. 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. 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 .....

Specific hazards arising from the ...... hazardous product, such as the nature of any hazardous combustion products Special protective equipment and ...... precautions 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.

Other potentially toxic fumes.

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.



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# SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill	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. Eliminate all sources of ignition. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial,
Major spills	state, and federal regulations. If temporary control of isocyanate vapour is required, a blanket of protein foam may be placed over spill. If transportation spill occurs in United States, call Chemtrec
Minor spills	1-800-424-9300. If transportation spill occurs in Canada, call Canutec at (613) 996-6666. Large quantities may be pumped into closed, but not sealed, containers for disposal. Cover spill area with suitable absorbent material (e.g., sand, earth, sawdust, vermiculite, Oil-Dri, Kitty Litter, etc.). Saturate absorbent material with neutralizing solution.
	Recommended portion is ten parts neutralizing solution to one part spilled material. Suggested neutralization solution: 90% water + 5% concentrated ammonia + 5% detergent (dish soap). Add an additional layer of absorbent material. Use shovel to move absorbent material around to ensure that all spilled material comes in contact with the neutralizing solution. Shovel all absorbed material, including absorbent socks or spill pillows, into an
Clean up	appropriate salvage drum. Add further amounts of neutralizing solution. Allow to stand (covered loosely) for 48 to 72 hours, to allow any gases to escape. Decontaminate spill area with decontamination solution. Area can then be washed with soap and water.

# 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 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. Decomposition products are highly toxic and irritating. Employee education and training are important.
Conditions for safe storage, including any incompatibilities	Store in tightly closed containers to prevent moisture contamination. Keep away from heat, sparks, and open flames. Do not reseal if contamination is suspected. Exposure to vapours of heated isocyanates can be extremely dangerous.

# **SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

NGREDIENTS	ACG TWA	H TLV STEL	OSH PEL	HA PEL STEL	NIOSH REL
Propylene Glycol Monomethyl Ether Acetate	Not established	Not established	Not established	Not established	Not established
Homopolymer of HDI	5 mg/m3	Not established	5 mg/m3	Not established	5 mg/m3
	Supplier: 0.5 mg/m3	(TWA)			
Ethyl Acetate	400 ppm	Not established	400 ppm	Not established	400 ppm
	CA ON: 400 ppm (T	WA)			
a-Butyl Acetate	50 ppm	150 ppm	150 ppm	200 ppm	150 ppm / STEL 200 ppm
	CA ON: 50ppm (TW	A), 150ppm (STEL)			
Homopolymer of IPDI	Not established	Not established	Not established	Not established	Not established
Nethyl Isobutyl Ketone	50 ppm	75 ppm	100 ppm	Not established	50 ppm / STEL 75 ppm
	ON: 20 ppm (TWA),	75 ppm (STEL)			
n-Amyl acetate	50 ppm/15 minutes	100 ppm	100 ppm	Not established	100 ppm
Ethyl 3-Ethoxypropionate	Not established	Not established	Not established	Not established	Not established
Diisobutyl Ketone	25 ppm	Not established	50 ppm	Not established	25 ppm
,2,4-Trimethylbenzene	25 ppm	Not established	Not established	Not established	25 ppm
Propyl Benzene	Not established	Not established	Not established	Not established	Not established
1,3,5-Trimethylbenzene	Not established	Not established	Not established	Not established	25 ppm

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# **SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTSACGIH TLV TWAACGIH TLV STELPELOSHA PEL STELRELNIOSH RELSolvent Naphtha, Light AromaticsNot establishedNot established500 ppm (2000 mg/m3) TWANot established350 mg/m3 TWAXylene50 ppm150 ppm100 ppm TWANot establishedNot establishedNot establishedCumene50 ppm150 ppm100 ppm TWANot establishedNot establishedIsophorone Diisocyanate0.005 ppmNot established50 ppm TWANot establishedNot establishedPersonal Protective EquipmentChemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Contact lenses should not be worn when working with this chemical. Whenever concentrations of isocyanates exceed the exposure limit or are not known, respiratory protection must be worn. A positive pressure, supplied- are spirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator equipped with an organic vapour cartridge and particulate pre-filters must be worn. However, this should be permitted only for short periods of time (< 1 hour) at relatively low concentrations (at or near the exposure limit). The use of a positive pressure air supplied respirator is mandatory when airborne concentrations are not known or airborne solvent						NICOLI
Aromaticsmg/m3) TWAXylene50 ppm150 ppm100 ppm TWANot establishedNot establishedCA ON: 100ppm (TWA); 150ppm (STEL)Cumene50 ppmNot established50 ppm TWANot establishedNot establishedIsophorone Diisocyanate0.005 ppmNot establishedNot establishedNot established0.005 ppm skinPersonal Protective EquipmentEye/typeChemical safety goggles. Chemical safety goggles and full faceshield if a splash hazardRespiratory/typeChemical safety goggles. Chemical safety goggles exceed the exposure limit or are not known, respiratory protection must be worn. A positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator equipped with an organic vapour cartridge and particulate pre-filters must be worn. However, this should be permitted only for short periods of time (< 1 hour) at relatively low concentrations (at or near the exposure limit). The use of a positive pressure air supplied	INGREDIENTS					NIOSH REL
CA ON: 100ppm (TWA); 150ppm (STEL)Cumene50 ppmNot established50 ppm TWANot establishedNot establishedIsophorone Diisocyanate0.005 ppmNot establishedNot establishedNot established0.005 ppm skinPersonal Protective Equipment Eye/typeChemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Contact lenses should not be worn when working with this chemical. Whenever concentrations of isocyanates exceed the exposure limit or are not known, 		Not established	Not established		Not established	350 mg/m3 TWA
Cumene50 ppmNot established50 ppm TWANot establishedNot establishedIsophorone Diisocyanate0.005 ppmNot establishedNot establishedNot established0.005 ppm skinPersonal Protective EquipmentEye/typeChemical safety goggles. Chemical safety goggles and full faceshield if a splash hazardRespiratory/typeChemical safety goggles. Chemical safety goggles and full faceshield if a splash hazardRespiratory/typeWhenever concentrations of isocyanates exceed the exposure limit or are not known, respiratory protection must be worn. A positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator equipped with an organic vapour cartridge and particulate pre-filters must be worn. However, this should be permitted only for short periods of time (< 1 hour) at relatively low concentrations (at or near the exposure limit). The use of a positive pressure air supplied	Xylene	50 ppm	150 ppm	100 ppm TWA	Not established	Not established
Isophorone Diisocyanate       0.005 ppm         Personal Protective Equipment       Not established       Not established       0.005 ppm skin         Eye/type       Chemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Contact lenses should not be worn when working with this chemical.         Respiratory/type       Whenever concentrations of isocyanates exceed the exposure limit or are not known, respiratory protection must be worn. A positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator equipped with an organic vapour cartridge and particulate pre-filters must be worn. However, this should be permitted only for short periods of time (< 1 hour) at relatively low concentrations (at or near the exposure limit). The use of a positive pressure air supplied		CA ON: 100ppm	(TWA); 150ppm (STEL)			
Personal Protective Equipment Eye/type Respiratory protection must be worn. A positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator equipped with an organic vapour cartridge and particulate pre-filters must be worn. However, this should be permitted only for short periods of time (< 1 hour) at relatively low concentrations (at or near the exposure limit). The use of a positive pressure air supplied	Cumene	50 ppm	Not established	50 ppm TWA	Not established	Not established
Eye/type       Chemical safety goggles. Chemical safety goggles and full faceshield if a splash hazard exists. Contact lenses should not be worn when working with this chemical.         Respiratory/type       Whenever concentrations of isocyanates exceed the exposure limit or are not known, respiratory protection must be worn. A positive pressure, supplied-air respirator or a self-contained breathing apparatus is recommended. At least an air-purifying respirator equipped with an organic vapour cartridge and particulate pre-filters must be worn. However, this should be permitted only for short periods of time (< 1 hour) at relatively low concentrations (at or near the exposure limit). The use of a positive pressure air supplied	Isophorone Diisocyanate	0.005 ppm	Not established	Not established	Not established	0.005 ppm skin
Bevels are 10 times the appropriate exposure limit or spraying is performed in a confined space or with limited ventilation. Do not exceed the use limits of the respirator. Chemical resistant gloves. Butyl rubber. Neoprene. Nitrile rubber. Practice good hygiene, wash thoroughly before handling any food.Clothing/type	Personal Protective Equ Eye/type Respiratory/type Gloves/ type Clothing/type Footwear/type Other/type Appropriate engineering	ipment	Chemical safety goggles. exists. Contact lenses sh Whenever concentrations respiratory protection mu self-contained breathing a equipped with an organic However, this should be concentrations (at or nea respirator is mandatory w levels are 10 times the ap space or with limited ven Chemical resistant gloves wash thoroughly before h Wear adequate protective exposure. Safety boots per local reg Eye wash facility and em employees on the safe us Provide natural or mecha exposure limits. Local me contamination, such as o gases and fumes that ma ventilation (ie. ACGIH ind adequate ventilation. Medical supervision of all recommended. These sh with pulmonary function t conditions, chronic bronc or sensitization should be diagnosed as sensitized should include preemploy test (fev, fvc as a minimu other chronic respiratory	. Chemical safety gog ould not be worn whe s of isocyanates exce st be worn. A positive apparatus is recomm : vapour cartridge and permitted only for sho r the exposure limit). /hen airborne concen opropriate exposure li tilation. Do not excee s. Butyl rubber. Neop nandling any food. e clothes. Wear long gulations. ergency shower shou se and handling of the anical ventilation to ca echanical exhaust ver pen process equipme ay be emitted. Standa dustrial ventilation) sh l employees who han nould include preemp test (FEC, FVC as a r hitis, other chronic re e excluded from work to an isocyanate, no f yment and periodic m m). Persons with ast diseases or recurrant	Igles and full faceshield in morking with this chem ed the exposure limit or a pressure, supplied-air re- ended. At least an air-put particulate pre-filters mu- ort periods of time (< 1 ho The use of a positive pre- trations are not known or mit or spraying is perforr d the use limits of the res- rene. Nitrile rubber. Prac- sleeves and trousers to p and be in close proximity. Product. The use of a positive pre- tilation should be used a ent, or during purging oper rd reference sources reg- ould be consulted for gui dle or come in contact with spiratory diseases or rec- ing with isocyanates. On urther exposure can be p edical examinations with matic-type conditions, c skin eczema or sensitiza	f a splash hazard hical. are not known, espirator or a rifying respirator ust be worn. bur) at relatively low essure air supplied airborne solvent ned in a confined spirator. tice good hygiene, prevent dermal Educate and train low airborne at sources of air erations, to capture arding industrial dance about ith isocyanates is dical examinations asthmatic-type urring skin eczema ice a person is pulmonary function hronic bronchitis, ation should be

# SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical state Colour Odour Odour threshold (ppm) Vapour pressure (mm Hg) Vapour density (air=1)	Liquid. Light yellow. Ketone odour. Not available. Not available. >1.
	No data.
pH Relative Density (Specific Gravity) Melting / Freezing point (deg C)	8.28 lb/usg - 0.9 Not available.
Solubility	Reacts with wa
Initial boiling point / boiling range (deg C).	No data. Not available.
Evaporation rate Flash point (deg C), method	-4.0 °C. (estimation -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0
Auto ignition temperature (deg C) Upper flammable limit (% vol)	10.6.
Lower flammable limit (% vol) Partition coefficient — n-octanol/water	1.0. Not available.
% Volatile by volume	70.43.
VOC (less water)	5.45 lbs/USG.
Viscosity	No data.

available. data. 8 lb/usg - 0.99 g/mL. available. acts with water. data. available. ) °C. (estimated). data. 6. available. 43. 5 lbs/USG. data.



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#### SECTION 10: STABILITY AND REACTIVITY

Chemical stability Reactivity	
	oxidizing agents. Contact with water liberates toxic gas. Contact with moisture or other materials that react with isocyanates may cause polymerization.
Conditions to avoid, including static	Water, amines, strong bases, alcohols. Copper alloys.
Hazardous decomposition products	See hazardous combustion products section 5.

# SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Propylene Glycol Monomethyl Ether Acetate	Not Available	8,532 mg/kg (rat oral) >5,000 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)
Ethyl Acetate	16,000 ppm 6 hours rat	5,600 mg/kg (rat oral )
n-Butyl Acetate	>33 mg/L vapour, 5.2 mg/L (rat) dust/mist	10760 mg/kg (rat, oral) 14112 mg/kg (rabbit, dermal)
Homopolymer of IPDI	Not Available	Not Available
Methyl Isobutyl Ketone	8.2 - 16.4 mg/L 4 hours rat	2080 mg/kg (rat oral) >16,000 mg/kg (rabbit dermal)
n-Amyl acetate	>976 ppm 4 hours rat	6500 mg/kg rat oral 8359 mg/kg rabbit dermal
Ethyl 3-Ethoxypropionate	>998 ppm 6 hours	4,309 mg/kg rat oral 4,080 mg/kg rabbit dermal
Diisobutyl Ketone	>2,300 ppm 4 hours	5,285 mg/kg (rat oral) >2000 mg/kg (rat dermal)
1,2,4-Trimethylbenzene	>2,000 ppm 48 hours rat	3,280 mg/kg rat oral
Propyl Benzene	Not Available	6,040 mg/kg rat oral
1,3,5-Trimethylbenzene	Not Available	Not Available
Solvent Naphtha, Light Aromatics	5.2 mg/L 4 hours, rat 3400 ppm hours, rat	<ul> <li>4 &gt;5,000 mg/kg (rat oral)</li> <li>&gt;2,000 mg/kg (rabbit dermal)</li> </ul>
Xylene	6350 ppm 4 hours rat	>3523 mg/kg rat oral
Cumene	No Data	50 PPM, SKIN
Isophorone Diisocyanate	123 mg/m3 4 hours rat	>1,000 mg/kg (rat oral) 1,060 mg/kg (rat dermal)
Effects of acute exposure SKIN: Irrita	xt. Skin contact. Inhalation. Int. Can cause reddening, itching and swelling. ence allergic skin reaction with symptoms of re	

SKIN: Irritant. Can cause reddening, itching and swelling. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling and rash. Cured material is difficult to remove. Contact with MDI can cause discolouration. EYE: Product liquid, aerosols or vapours are irritating. Can cause tearing, reddening and swelling. May cause temporary corneal injury. INHALATION: Vapour/mists at concentrations above the exposure limits can irritate (burning sensation) the mucous membranes in the respiratory tract. This can cause a runny nose, sore throat, coughing, chest discomfort, difficulty breathing and reduced pulmonary functioning. Persons with pre-existing, nonspecific bronchial hyperractivity can respond to concentrations below the TLV with similar symptoms as well as asthma attack. These symptoms can be delayed up to several hours after exposure. Effects are usually reversible. INGESTION: May cause irritation. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

As a result of previous repeated overexposure or a single large dose, certain individuals develop sensitization which will cause them to react to a later exposure to product at levels well below the exposure limit. Symptoms including chest tightness, wheezing, cough, shortness of breath or asthma attack, could be immediate or delayed. There are reports that once sensitized, an individual can experience these symptoms upon exposure to dust, cold air or other irritants. This increased lung sensitivity can persist for weeks and, in severe cases, for several years. Sensitization can be permanent. Prolonged or repeated 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. Chronic exposure to organic solvents may cause permanent brain and nervous system damage.

Effects of chronic exposure.....



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

Sensitizing capability of material	Isocyanates are known to cause skin and respiratory sensitization in humans. Animal tests have indicated that respiratory sensitization can result from skin contact with diisocyanates.
Carcinogenicity of material	Cumene is listed by IARC in Group 2B as a possible carcinogen Methyl Isobutyl Ketone is possibly carcinogenic to humans (IARC Group 2B).
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.

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

Environmental..... Do not allow to enter waters, waste water or soil.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Information on safe handling for disposal . Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, provincial/State or federal regulations.

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

TDG Classification	
DOT Classification (Road)	
IATA Classification (Air)	
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.
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 TSCA inventory status OSHA SARA Title III	On Domestic Substances List (DSL). All components are listed. This product is considered hazardous under the OSHA Hazard Communication Standard.
Section 302 - extremely hazardous	Isophorone Diisocyanate.
substances Section 311/312 - hazard categories Section 313 EPA hazardous air pollutants (HAPS) 40CFR63	Immediate health, delayed health, fire hazard. Methyl Isobutyl Ketone. Hexamethylene diisocyanate. Ethyl acetate. Hexamethylene diisocyanate. Methyl Isobutyl Ketone. Xylene.
California Proposition 65	*WARNING: This product contains a chemical known to the State of California to cause cancer. *WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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

Prepared by: Telephone number: Disclaimer: Disclaimer: Date of the latest revision of the safety	<ul> <li>(800) 387-7981.</li> <li>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 with any other material or in any other process. 2022-11-30.</li> </ul>
data sheet	

