

**SAFETY DATA SHEET (SDS)****Section 1. Identification**

<b>Product identifier</b>	LABFAST BASIX CLEAR, Part A
<b>Other means of identification</b>	LFX...000-A
<b>Recommended use and restrictions on use</b>	Floor Coating
<b>Initial supplier identifier</b>	LabSurface. 101-1079 des Forges, Terrebonne, J6Y 0J9, Qué (Canada) Tél. (450) 966-9000
<b>Emergency telephone number/restriction on use</b>	Canada – CANUTEC Number 24 hours 613-996-6666

**Section 2. Hazard Identification****Classification of hazardous product (name of the category or subcategory of the hazard class)**

Flammable liquids (Category 3)  
Aspiration hazard (Category 1)  
Sensitisation skin (Category 1)  
Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3)  
Specific target organ toxicity, single exposure; narcotic effects (Category 3)  
Germ cell mutagenicity (Category 1B)  
Carcinogenicity (Category 1B)  
Hazardous to the aquatic environment, long-term hazard (Category 3)

**Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)****Warning**

H226 Flammable liquid and vapor  
H304 May be fatal if swallowed and enters airway  
H317 May cause an allergic skin reaction  
H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness  
H340 May cause genetic effects  
H350 May cause cancer  
H412 Harmful to aquatic life with long lasting effects

**Prevention**

P201 Obtain special instruction before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof (electrical/ventilating/lighting) equipment. P242 Use non-sparkling tools. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. 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 gloves/protective clothing/gloves/eye protection/face protection.

**Response**

IF SWALLOWED: P301 + P331 Do NOT induce vomiting. P310 Immediately call a POISON CENTER  
IF ON SKIN: P302 + P352 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 it before reuse. P363 Wash contaminated clothing before reuse.  
IF ON SKIN (OR HAIR): P303+P361+P353 Take off immediately all contaminated clothing. Rinse skin with water (or shower).  
IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 Call a doctor if you feel unwell.  
IF EXPOSED OR CONCERNED: P308 + P313 Get medical advice/attention.  
IN CASE OF FIRE: P370 + P378 Use manufacturer/supplier or the competent authority to specify appropriate media.

**Storage**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P235 Keep cool P405 Stored locked up.

**Disposal**

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Other hazards known** | None

**Section 3. Composition/Information on Ingredients**

<b>Chemical name (common name/synonyms)</b>	<b>CAS number or other</b>	<b>Concentration (%)*</b>
Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediy)bis-, 1,1',4,4'-tetraethyl ester	136210-30-5	40 - 70 %
Polyaspartic Polyurea Resin	136210-32-7	15 - 40 %
Polyaspartic Polyurea Resin	152637-10-0	1 - 10 %
Light aromatic solvent naphtha (petroleum)	64742-95-6	1 - 10 %

\*Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).



<b>Section 4. First-Aid Measures</b>	
<b>Inhalation</b>	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, seek medical attention.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth thoroughly with water. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
<b>Skin contact</b>	IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Most important symptoms and effects (acute or delayed)</b>	May be fatal if swallowed and enters airway. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. May cause genetic effects. May cause cancer.
<b>Indication of immediate medical attention/special treatment</b>	In all cases, call a doctor. Do not forget this document.
<b>Section 5. Fire-Fighting Measures</b>	
<b>Specific hazards of the hazardous product (hazardous combustion products)</b>	
Toxic fumes. Material does not decompose at ambient temperatures.	
<b>Suitable and unsuitable extinguishing media</b>	
In case of fire: Use carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol resistant foam.	
<b>Special protective equipment and precautions for fire-fighters</b>	
During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required	
<b>Section 6. Accidental Release Measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	
Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8). Prevent the spill spread into drains, sewers, water supplies, or soil. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.	
<b>Methods and materials for containment and cleaning up</b>	
Avoid prolonged exposure. Stop leak if you can do it without risk. Spill should be contained with inert material and disposed into suitable retaining area. Do not touch or walk through spilled material. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Take precautionary measures against static discharges. Dispose of in accordance with local, provincial and federal regulations	
<b>Section 7. Handling and Storage</b>	
<b>Precautions for safe handling</b>	
Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof (electrical/ventilating/lighting) equipment. Use non-sparkling tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear gloves/protective clothing/gloves/eye protection/face protection.	
<b>Conditions for safe storage, including any incompatibilities</b>	
Keep container closed when not in use. Store in a cool, well-ventilated area. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C.	
<b>Section 8. Exposure Controls/Personal Protection</b>	
<b>Control parameters (biological limit values or exposure limit values and source of those values)</b>	
Exposure limits: ACGIH – TLV-TWA Not data available	
<b>Appropriate engineering controls</b>	
Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.	
<b>Individual protection measures/personal protective equipment</b>	
Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe	



use and handling of this product. Follow all label instructions.			
<b>Section 9. Physical and Chemical Properties</b>			
<b>Appearance, physical state/colour</b>	Liquid	<b>Vapour pressure</b>	Not available
<b>Odour</b>	Aromatic	<b>Vapour density</b>	Not available
<b>Odour threshold</b>	Not available	<b>Relative density</b>	Not available
<b>pH</b>	Not available	<b>Solubility</b>	Negligible
<b>Melting/freezing point</b>	Not available	<b>Partition coefficient - n-octanol/water</b>	Not available
<b>Initial boiling point/range</b>	Not available	<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b>	46 °C (115 °F)	<b>Decomposition temperature</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Viscosity</b>	Not available
<b>Flammability (solids and gases)</b>	Not available	<b>VOC</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other</b>	None known
<b>Section 10. Stability and Reactivity</b>			
<b>Reactivity</b>			
Stable under normal conditions.			
<b>Chemical stability</b>			
Yes, Stable under the recommended storage and handling conditions prescribed.			
<b>Possibility of hazardous reactions</b>			
Non under normal conditions of storage and use.			
<b>Conditions to avoid (static discharge, shock or vibration)</b>			
Avoid excessive heat, open flames and all ignition sources.			
<b>Incompatible materials</b>			
Oxidizing agents, acids.			
<b>Hazardous decomposition products</b>			
Carbon mono and dioxide, other hydrocarbons			
<b>Section 11. Toxicological Information</b>			
<b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)</b>			
May be fatal if swallowed and enters airway. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. May cause genetic effects. May cause cancer.			
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>			
Skin irritation, redness, stinging; Eye irritation, redness, tearing. Respiratory tract irritation.			
<b>Delayed and immediate effects (chronic effects from short-term and long-term exposure)</b>			
Skin Sensitization – May cause skin dryness or cracking; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – CAS 64742-95-6 Contains a known or suspected mutagen; Carcinogenicity: CAS 64742-95-6 Contains ethylbenzene. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans; Reproductive Toxicity: There have been a few studies investigating the mutagenic potential of xylenes. These studies were negative; Specific Target Organ Toxicity — Single Exposure –May cause drowsiness or dizziness. May cause respiratory irritation; Specific Target Organ Toxicity — Repeated Exposure –No information available; Aspiration Hazard: CAS 64742-95-6 May be fatal if swallowed and enters airways; Health Hazards Not Otherwise Classified – No data available.			
<b>Numerical measures of toxicity (ATE; LD<sub>50</sub> &amp; LC<sub>50</sub>)</b>			
CAS 136210-30-5 LD <sub>50</sub> Oral - Rat > 2000 mg/kg; LD <sub>50</sub> Dermal – Rat > 2000 mg/kg; LC <sub>50</sub> Inhalation - Rat >4224 mg/m <sup>3</sup> 4hrs; CAS 136210-32-7 LD <sub>50</sub> Oral - Rat > 2000 mg/kg; LD <sub>50</sub> Dermal – Rat > 2000 mg/kg; LC <sub>50</sub> Inhalation - Rat >4224 mg/m <sup>3</sup> 4hrs; CAS 152637-10-0 LD <sub>50</sub> Oral - Rat > 2000 mg/kg; LD <sub>50</sub> Dermal – Rat > 2000 mg/kg; LC <sub>50</sub> Inhalation - Rat >4224 mg/m <sup>3</sup> 4hrs; CAS 64742-95-6 LD <sub>50</sub> Oral - Rat - = 8400 mg/kg; LD <sub>50</sub> Dermal – Rabbit > 2000 mg/kg; LC <sub>50</sub> Inhalation - Rat =3400 ppm 4hrs; ATE CAS 64742-95-6 ATEmix (oral) 8,400.00 mg/kg; ATEmix (dermal) 2,002.00 mg/kg.			
<b>Section 12. Ecological Information</b>			
<b>Ecotoxicity (aquatic and terrestrial information)</b>			
<b>Toxicity to fish:</b> CAS 136210-30-5 LC <sub>50</sub> : 66 mg/l (Zebra fish (Brachydanio rerio)), 96h; CAS 136210-32-7 LC <sub>50</sub> : 66 mg/l (Zebra fish (Brachydanio rerio)), 96h; CAS 64742-95-6 LC <sub>50</sub> : 9.22 mg/l (Oncorhynchus mykiss) 96h; CAS 152637-10-0 LC <sub>50</sub> : 66 mg/l (Zebra fish (Brachydanio rerio)), 96h;			
<b>Toxicity to Aquatic Invertebrates:</b> CAS 136210-30-5 EC <sub>50</sub> : = 88.6 mg/l (Water flea (Daphnia magna)) 48h; CAS 64742-95-6 EC <sub>50</sub> : = 6.14 mg/l (Daphnia magna) 48h; CAS 136210-32-7 EC <sub>50</sub> : = 88.6 mg/l (Water flea (Daphnia magna)) 48h; CAS 152637-10-0 EC <sub>50</sub> : = 88.6 mg/l (Water flea (Daphnia magna)) 48h;			
<b>Toxicity to Aquatic Plants:</b> CAS 136210-30-5 EC <sub>50</sub> : = 3110 mg/l (Green algae (Scenedesmus subspicatus)) 72h; CAS 136210-32-7 EC <sub>50</sub> : = 3110 mg/l (Green algae (Scenedesmus subspicatus)) 72h; CAS 152637-10-0 EC <sub>50</sub> : = 3110 mg/l (Green algae (Scenedesmus subspicatus)) 72h;			
<b>Toxicity to Terrestrial Plants:</b> CAS 136210-30-5 = 113 mg/l 72h; CAS 136210-32-7 = 113 mg/l 72h; CAS 152637-10-0 = 113 mg/l 72h			
<b>Persistence and degradability</b>	CAS 136210-30-5- CAS 136210-32-7- CAS 152637-10-0 13%, Exposure time: 28 Days, Not readily biodegradable Low biodegradability.		



<b>Bioaccumulative potential</b>	No information available.
<b>Mobility in soil</b>	No information available.
<b>Other adverse effects</b>	Harmful to aquatic life with long lasting effects
<b>Section 13. Disposal Considerations</b>	
<b>Information on safe handling for disposal/methods of disposal/contaminated packaging</b>	
Dispose of contents/container into safe container in accordance with local, regional or national regulations.	
<b>Section 14. Transport Information</b>	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations</b>	
UN 1268; ENVIRONNEMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.B: Light aromatic solvent naphtha (petroleum) CLASS: 3; PACKING GROUP: III	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)</b>	
UN 1268; ENVIRONNEMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.B: Light aromatic solvent naphtha (petroleum) CLASS: 3; PACKING GROUP: III	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)</b>	
UN 1268; ENVIRONNEMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.B: Light aromatic solvent naphtha (petroleum) CLASS: 3; PACKING GROUP: III	
<b>Special precautions (transport/conveyance)</b>	Can be shipped as LIMITED QUANTITY according to TDG or NOT REGULATED (1.33).
<b>Environmental hazards (IMDG or other)</b>	None
<b>Bulk transport (usually more than 450 L in capacity)</b>	N/A according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code
<b>Section 15. Regulatory Information</b>	
<b>Safety/health Canadian regulations specifics</b>	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
<b>Environmental Canadian regulations specifics</b>	Refer to Section 3 for ingredient(s) of the DSL
<b>Safety/health/environmental outside regulations specifics</b>	
United States OSHA information: This product is regulated according to OSHA (29 CFR). California Proposition 65: California Proposition 65: This product does not contain an ingredient known to the State of California to cause cancer or other reproductive harm. United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. United States TCSA information: Refer to the ingredients listed in Section 3.	
<b>Section 16. Other Information</b>	
<b>Date of the latest revision of the safety data sheet</b>	October 15, 2022 - version 01
<b>References</b>	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu
<b>Abbreviations</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System
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## SAFETY DATA SHEET (SDS)

### Section 1. Identification

<b>Product identifier</b>	LABFAST BASIX CLEAR, Part B
<b>Other means of identification</b>	LFX-B
<b>Recommended use and restrictions on use</b>	Floor Coating
<b>Initial supplier identifier</b>	LabSurface. 101-1079 des Forges, Terrebonne, J6Y 0J9, Qué (Canada) Tél. (450) 966-9000
<b>Emergency telephone number/restriction on use</b>	Canada – CANUTEC Number 24 hours 613-996-6666

### Section 2. Hazard Identification

#### Classification of hazardous product (name of the category or subcategory of the hazard class)

Flammable liquids (Category 3)  
Aspiration hazard (Category 1)  
Skin corrosion/irritation (Category 2)  
Skin Sensitisation (Category 1)  
Serious eye damage/eye irritation (Category 2B)  
Acute toxicity Inhalation (Category 4)  
Sensitisation respiratory (Category 1)  
Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3)  
Specific target organ toxicity, single exposure; narcotic effects (Category 3)  
Germ cell mutagenicity (Category 1B)  
Carcinogenicity (Category 1B)  
Specific target organ toxicity, repeated exposure (Category 2)

#### Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



#### Warning

H226 Flammable liquid and vapor  
H304 May be fatal if swallowed and enters airway  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H320 Causes eye irritation  
H332 Harmful if inhaled  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness  
H340 May cause genetic effects  
H350 May cause cancer  
H373 May cause damage to organs through prolonged or repeated exposure

#### Prevention

P201 Obtain special instruction before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof (electrical/ventilating/lighting) equipment. P242 Use non-sparkling tools. P243 Take action to prevent static discharges. P260/261 Do not breathe/avoid dust/fume/gas/mist/vapours/spray. P264 Wash hands/nails/face/eyes 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 gloves/protective clothing/gloves/eye protection/face protection. P284 (In case of inadequate ventilation) wear respiratory protection.

#### Response

IF SWALLOWED: P301 + P331 Do NOT induce vomiting. P316 Get emergency medical help immediately.  
IF ON SKIN: P302 + P352 Wash with plenty of water. P332 + P313 If skin irritation occurs: Get medical advice/attention.  
IF ON SKIN (OR HAIR): P303+P361+P353 take off immediately all contaminated clothing. Rinse skin with water (or shower). P362 + P364 Take off contaminated clothing and wash it before reuse.  
IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 call a POISON CENTER if you feel unwell.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER /doctor.  
IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.  
IF EXPOSED OR CONCERNED: P308 + P313 Get medical advice/attention.  
IN CASE OF FIRE: P370 + P378 Use manufacturer/supplier or the competent authority to specify appropriate media.



<b>Storage</b> P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P235 Keep cool P405 Stored locked up.		
<b>Disposal</b> P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.		
<b>Other hazards known</b>	None	
<b>Section 3. Composition/Information on Ingredients</b>		
<b>Chemical name (common name/synonyms)</b>	<b>CAS number or other</b>	<b>Concentration (%)*</b>
HDI Oligomers, Isocyanate	28182-81-2	40 - 70 %
Light aromatic solvent naphtha	64742-95-6	15 - 40 %
*Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).		
<b>Section 4. First-Aid Measures</b>		
<b>Inhalation</b>	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention. Aspiration into lungs can produce severe lung damage. If not breathing, give artificial respiration or give oxygen by trained personnel. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.	
<b>Ingestion</b>	IF SWALLOWED: CAN ENTER LUNGS AND CAUSE DAMAGE. Immediately call a doctor. Prevent aspiration of vomit. Rinse mouth thoroughly with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.	
<b>Skin contact</b>	IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Wash contaminated clothing before reuse.	
<b>Eye contact</b>	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. DO NOT attempt to manually remove anything stuck to eye(s)	
<b>Most important symptoms and effects (acute or delayed)</b>	May be fatal if swallowed and enters airway. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May cause genetic effects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.	
<b>Indication of immediate medical attention/special treatment</b>	In all cases, call a doctor. Do not forget this document. Exposure to isocyanates can cause difficulty breathing or asthmatic reaction.	
<b>Section 5. Fire-Fighting Measures</b>		
<b>Specific hazards of the hazardous product (hazardous combustion products)</b>		
Toxic fumes. Material does not decompose at ambient temperatures.		
<b>Suitable and unsuitable extinguishing media</b>		
In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol resistant foam.		
<b>Special protective equipment and precautions for fire-fighters</b>		
During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk.		
<b>Section 6. Accidental Release Measures</b>		
<b>Personal precautions, protective equipment and emergency procedures</b>		
Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. Do not smoke, extinguish all ignition sources. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8). Prevent the spill spread into drains, sewers, water supplies, or soil. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.		
<b>Methods and materials for containment and cleaning up</b>		
Avoid prolonged exposure. Stop leak if you can do it without risk. Do not touch or walk through spilled material. Spill should be contained with inert material and disposed into suitable retaining area. Do not touch or walk through spilled material. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Take precautionary measures against static discharges. Dispose of in accordance with local, provincial and federal regulations.		
<b>Section 7. Handling and Storage</b>		
<b>Precautions for safe handling</b>		
Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof (electrical/ventilating/lighting) equipment. Use non-sparkling tools. Take action to prevent static discharges. Do not breath/avoid dust/fume/gas/mist/vapours/spry. Wash hands/nails/face/eyes thoroughly after handling. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear gloves/protective clothing/gloves/eye protection/face protection. (In case of inadequate ventilation) wears respiratory protection.		
<b>Conditions for safe storage, including any incompatibilities</b>		
Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of		



ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C.

### Section 8. Exposure Controls/Personal Protection

#### Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: ACGIH – TLV-TWA CAS 28182-81-2 TWA: 0.5 mg/m<sup>3</sup>.

#### Appropriate engineering controls

Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.

#### Individual protection measures/personal protective equipment

Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

### Section 9. Physical and Chemical Properties

<b>Appearance, physical state/colour</b>	Liquid	<b>Vapour pressure</b>	Not available
<b>Odour</b>	Aromatic	<b>Vapour density</b>	Not available
<b>Odour threshold</b>	Not available	<b>Relative density</b>	Not available
<b>pH</b>	Not available	<b>Solubility</b>	Negligible
<b>Melting/freezing point</b>	Not available	<b>Partition coefficient - n-octanol/water</b>	Not available
<b>Initial boiling point/range</b>	Not available	<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b>	46 °C (115 °F)	<b>Decomposition temperature</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Viscosity</b>	Not available
<b>Flammability (solids and gases)</b>	Not available	<b>VOC</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other</b>	None known

### Section 10. Stability and Reactivity

#### Reactivity

Stable under normal conditions.

#### Chemical stability

Yes, Stable under the recommended storage and handling conditions prescribed.

#### Possibility of hazardous reactions

Non under normal conditions of storage and use. Subject to static discharge hazards.

#### Conditions to avoid (static discharge, shock or vibration)

Avoid excessive heat, open flames and all ignition sources.

#### Incompatible materials

Water, amines, alcohols, oxidizing agents, acids, bases, copper alloys.

#### Hazardous decomposition products

Carbon mono (CO) and dioxide (CO<sub>2</sub>), nitrogen oxides, hydrogen cyanide, isocyanate, isocyanic acid.

### Section 11. Toxicological Information

#### Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

May be fatal if swallowed and enters airway. Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May cause genetic effects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye irritation - burning sensation, tearing, redness and swelling; Skin sensitization, resulting in dermatitis, may occur in some individuals; Ingestion, swallowing may result in irritation and corrosion of the mouth, throat and digestive tract Respiratory tract irritation.

#### Delayed and immediate effects (chronic effects from short-term and long-term exposure)

Skin Sensitization – May cause allergic skin reaction. Skin disorders and Allergies.; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – CAS 64742-95-6 Contains a known or suspected mutagen; Carcinogenicity: CAS 64742-95-6 Contains ethylbenzene. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans; Reproductive Toxicity - No available; Specific Target Organ Toxicity — Single Exposure – Not available; Specific Target Organ Toxicity-Repeated Exposure: CAS 28182-81-2: 3 weeks, inhalation: NOAEL: 3.7 - 4.3 mg/m<sup>3</sup>, (rat); 90 days, inhalation: NOAEL: 3.3 - 3.4 mg/m<sup>3</sup>, (rat) Irritation to lungs and nasal cavity; Aspiration Hazard – May cause respiratory sensitization.; CAS 64742-95-6 May be fatal if swallowed and enters airways; Health Hazards Not Otherwise Classified – No data available.

#### Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>)

CAS 64742-95-6 LD<sub>50</sub> Oral - Rat = 8400 mg/kg; LD<sub>50</sub> Dermal – Rabbit > 2000 mg/kg; LC<sub>50</sub> Inhalation - Rat = 3400 ppm 4hrs; CAS 28182-81-2



LD <sub>50</sub> Oral - Rat > 5,000 mg/kg; LD <sub>50</sub> Dermal Rabbit > 5,000 mg/kg; ; LC <sub>50</sub> Inhalation - Rat = 390-453 mg/m <sup>3</sup> 4hrs ATE CAS 64742-95-6 ATEmix (oral) 8,400.00 mg/kg; ATEmix (dermal) 2,002.00 mg/kg.	
<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity (aquatic and terrestrial information)</b>	
<b>Toxicity to fish:</b> CAS 64742-95-6: LC <sub>50</sub> : 9.22 mg/l (Oncorhynchus mykiss) 96h; CAS 28182-81-2 LC <sub>50</sub> : > 100 mg/l (Zebra fish (Brachydanio rerio) 96h;	
<b>Toxicity to Aquatic Invertebrates:</b> CAS 64742-95-6: EC <sub>50</sub> : = 6.14 mg/l (Daphnia magna) 48h; CAS 28182-81-2 EC <sub>50</sub> : > 100 mg/l (Water flea (Daphnia magna) 48h;	
<b>Toxicity to aquatic plants:</b> CAS 28182-81-2 EC <sub>50</sub> : > 1,000 mg/l (Green algae (Scenedesmus subspicatus) 72h;	
<b>Toxicity to Microorganisms</b> CAS 28182-81-2 EC <sub>50</sub> : > 1,000 mg/l (Activated sludge microorganisms), 3h.	
<b>Persistence and degradability</b>	CAS 28182-81-2: 0%, Exposure time: 28 Days, Not readily biodegradable
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Other adverse effects</b>	No data available
<b>Section 13. Disposal Considerations</b>	
<b>Information on safe handling for disposal/methods of disposal/contaminated packaging</b>	
Dispose of contents/container into safe container in accordance with local, regional or national regulations.	
<b>Section 14. Transport Information</b>	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations</b>	
UN 1268; ENVIRONNEMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.B: Light aromatic solvent naphtha CLASS: 3; PACKING GROUP: III.	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)</b>	
UN 1268; ENVIRONNEMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.B: Light aromatic solvent naphtha CLASS: 3; PACKING GROUP: III.	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)</b>	
UN 1268; ENVIRONNEMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.B: Light aromatic solvent naphtha CLASS: 3; PACKING GROUP: III.	
<b>Special precautions (transport/conveyance)</b>	Can be shipped as LIMITED QUANTITY according to TDG or NOT REGULATED (1.33).
<b>Environmental hazards (IMDG or other)</b>	None
<b>Bulk transport (usually more than 450 L in capacity)</b>	N/A according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code
<b>Section 15. Regulatory Information</b>	
<b>Safety/health Canadian regulations specifics</b>	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
<b>Environmental Canadian regulations specifics</b>	Refer to Section 3 for ingredient(s) of the DSL
<b>Safety/health/environmental outside regulations specifics</b>	
United States OSHA information: This product is regulated according to OSHA (29 CFR). California Proposition 65: This product does not contain an ingredient known to the State of California to cause cancer or other reproductive harm. United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. United States TCSA information: Refer to the ingredients listed in Section 3.	
<b>Section 16. Other Information</b>	
<b>Date of the latest revision of the safety data sheet</b>	October 15, 2022 - version 01
<b>References</b>	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu
<b>Abbreviations</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act





TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

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