

# SAFETY DATA SHEET (SDS)

Soat	ion	1 L	dont	ificat	ion

Section 1. Identification					
Product identifier	MAJESTIC DEEP	PPOUR 2 – PART A			
Other means of identificat	Other means of identification LCTH-A				
Recommended use and res	strictions on use	Casting and Countertops			
Initial supplier identifier	LabSurface. 10	01-1079, rue des Forges, Terrebonne, QC, J6Y 0J9 (Canada) Tél. (450) 966-9000			
Emergency telephone num	nber/restriction of	n use 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)					
Skin corrosion/irritation (Category 2)					
Skin sensitization (Category 1B)					
Serious eye damage/eye irritation (Category 2B)					
Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)					



Warning H315 Causes skin irritation. H317 May cause an allergic skin reaction. H320 Causes eye irritation.

#### Prevention

P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands/nails/face/eyes thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace P280 Wear gloves/protective clothing/gloves/eye protection/face protection.

#### Response

IF ON SKIN: P302 + P352 Wash with plenty of water. P332 + P313 If skin irritation occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

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.

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					
Chemical name	(common name/synonyms)		CAS number or other	Concentration (%)*		
Bisphenol A epic	hlorohydrin polymer		25068-38-6	50-80%		
Reactive Diluent				10-30 %		
Reactive Diluent	Reactive Diluent 10 – 20 %			10 - 20 %		
*Statement - This	s safety data sheet provides concentration range(s	s) instead of	the actual concentration(s) considere	d trade secret(s)		
	Section 4	4. First-Aid	Measures			
Inhalation	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.					
Ingestion	IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water.					
Skin contact	Skin contact IF ON SKIN: Remove contaminated clothing, wash immediately with plenty of water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. If symptoms persist, seek medical attention.					
Eye contact	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.					
Most important symptoms and effects (acute or delayed) Causes skin irritation. May cause an allergic skin reaction. Causes irritation.			ic skin reaction. Causes eye			
Indication of im	Indication of immediate medical attention/special treatment In all cases, call a doctor. Do not forget this document.					
	Section 5. 1	Fire-Fighti	ng Measures			
Specific hazards of the hazardous product (hazardous combustion products)						
Smoke, fume, oxides of carbon.						
Suitable and unsuitable extinguishing media						
In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), dry chemical, water and alcohol resistant foam.						
Special protective equipment and precautions for fire-fighters						



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				
Section 6. Accidental F	Release Measures			
Personal precautions, protective equipment and emergency procedures				
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.				
Methods and materials for containment and cleaning up				
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. 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.				
Section 7. Handling	g and Storage			
Precautions for safe handling				
Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands/nails/face/ey be allowed out of the workplace. Wear gloves/protective clothing/gloves/eye				
Conditions for safe storage, including any incompatibilities				
Store in a cool, well-ventilated area. Keep container closed when not in us ignition. Store away from incompatible materials (Section 10). Inspect all damaged. Storage area should be clearly identified, clear of obstruction and or leaks.	incoming containers to make sure they are properly labelled and not			
Section 8. Exposure Contro	ls/Parsonal Protection			
Control parameters (biological limit values or exposure limit values and				
Exposure limits: ACGIH – TLV-TWA Not available	source of those values)			
Appropriate engineering controls				
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: use suitable protective clothing to prevent any possibility of skin contact; 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 mate Educate and train employees in the safe use and handling of this product. Fol				
Section 9. Physical and C				
Appearance, physical state/colour Liquid	Vapour pressure         Not available			
Odour Odorless to mild	Vapour density         Not available			
Odour threshold Not available	Relative density Not available			
pH Not available	Solubility Not available			
Melting/freezing point Not available	Partition coefficient - n-octanol/water Not available			
Initial boiling point/range Not available	Auto-ignition temperature Not available			
<b>Flash point</b> $> 100 ^{\circ}\text{C}$	Decomposition temperature Not available			
Evaporation rate Not available	Viscosity Not available			
Flammability (solids and gases) Not available	VOC Not available			
Upper and lower flammability/explosive limits Not available	Other None known			
Section 10. Stability and Reactivity				
Reactivity				
Stable under normal conditions.				
Chemical stability				
Yes, Stable under the recommended storage and handling conditions prescribed	d			
Possibility of hazardous reactions				
Non under normal conditions of storage and use.				
Conditions to avoid (static discharge, shock or vibration)				
Excess heat and sources of ignition				
Incompatible materials				
Asida basas aminas avidizing aganta				

Acids, bases, amines, oxidizing agents.



Hazardous decomposition products

Chlorine hydrogen, carbon oxides.

#### Section 11. Toxicological Information

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

Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

No specific information available.

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 – Animal genetic toxicity studies were negative; Carcinogenicity – , the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBPA is not classified as a carcinogen; Reproductive Toxicity – In animal studies, did not interfere with reproduction;

Specific Target Organ Toxicity — Single Exposure – Evaluation of available data suggests that this material is not an STOT-SE toxicant; Specific Target Organ Toxicity — Repeated Exposure – Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects;

Aspiration Hazard – Based on physical properties, not likely to be an aspiration hazard; Health Hazards Not Otherwise Classified – No data available.

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

 $CAS \ 25068-38-6 \ LD_{50} \ Oral - Rat - > 15,000 \ mg/kg; \ LD_{50} \ Dermal - Rabbit - 23,000 \ mg/kg; \ LC_{50} \ Inhalation - has not been determined; \ ATE not available in this document.$ 

#### Section 12. Ecological Information

#### Ecotoxicity (aquatic and terrestrial information)

**Toxicity to fish** CAS: 25068-38-6 LC<sub>50</sub>: 1 - 10 mg/l (in the most sensitive species tested)/ LC<sub>50</sub> 2 mg/l (Oncorhynchus mykiss (rainbow trout), semi-static test, 96h;

Toxicity to Aquatic Invertebrates: CAS: 25068-38-6 EC50: 1.8 mg/l (Water flea (Daphnia magna) 48h);

Toxicity to Algae and Aquatic Plants: CAS: 25068-38-6 EC<sub>50</sub>: 11 mg/l (Fresh water algae (Scenedesmus capricornutum) static test, 72h);

Toxicity to Bacteria CAS: 25068-38-6 IC<sub>50</sub>: >42.6 mg/l, (Respiration rates, 18h).

**Persistence and degradability** CAS: 25068-38-6 12%, not easily biodegradable.

**Bioaccumulative potential** CAS: 25068-38-6 Bio-concentration potential is moderate

Mobility in soil CAS: 25068-38-6 Potential for mobility in soil is low

Other adverse effects Not available

#### Section 13. Disposal Considerations

Information on safe handling for disposal/methods of disposal/contaminated packaging

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

#### Section 14. Transport Information UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations

No regulated

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

No regulated

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)

No regulated.

Special precautions (transport/conveyance) None

Environmental hazards (IMDG or other) None

Bulk transport (usually more than 450 L in capacity)None

Section 15. Regulatory Information

Safety/health Canadian regulations specifics	This product has been classified in accordance with the hazard criteria of the Hazardous Product	
	Regulations (HPR).	
Environmental Canadian regulations specifics	Refer to Section 3 for ingredient(s) of the DSL	

Safety/health/environmental outside regulations specifics

United States OSHA information: This product is regulated according to OSHA (29 CFR).

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.

# Section 16. Other Information Date of the latest revision of the safety data sheet April 16, 2019 - version 01

References	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu	
Abbreviations		
ACGIH	American Conference of Governmental Industrial Hygienists	
ATE	Acute toxicity estimate	
CAS	Chemical Abstract Service	
DSL	Domestic Substance List	



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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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or information pro-	or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the			

or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. In order to meet our strict requirements, we are continuously testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data included in this reference document may not be up to date as of the date of reference.



# SAFETY DATA SHEET (SDS)

Recommended use and restrictions on use [ Casting and Commentsys Initial supplier identifier   Labistrace. 10:1-10?9: nee des Forges. Terrebonne. QC. 16Y (19:1) (Canada) Tel. (450; 966-9000 Emergency telephone number/restriction on use [ Canada – CANUTEC Number 24 hours 013-996-6666 Section 2. Hazard Identifier   Labistrace 10:1-10:197: nee des Forges. Terrebonne. QC. 16Y (19:1) (Canada) Tel. (450; 966-9000 Emergency telephone number/restriction on use [ Canada – CANUTEC Number 24 hours 013-996-6666 Section 2. Hazardo is to he quadic environment, long-terreb-hazard (Category 1) Hazardons to he quadic environment, long-terreb-hazard (Category 1) Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory) Warning H302 Harmful if swallowed. H312 Harmful if Soules eye damage. H411 Toxic to aquatic life with long lasting effects Prevention P264 Wash hands/nalls/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product.P273 Avoid release to the eavisonment. P280 Wear gloves/protective clothing/gloves/eye protection/face protection. Response FF SWALLOWED: P301 + P312 call a POISON CENTER if you feel unvell. P302 Harmful if N SWILPS 24 + P364 Take off contaminated clothing and wash it before ruses. F SWALLOWED: P301 + P312 call a POISON CENTER if you feel unvell. P302 + P364 Take off contaminated clothing and wash it before ruses. F SWALLOWED: P301 + P312 call a POISON CENTER if you feel unvell. P322 + P364 Take off contaminated clothing and wash it before ruses. F VIVRONMENT: P301 Control spillage. Biopoal P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations. Chernel and (common name/sponyms) CAS and the scient on on the contortion (%)* *Statement - This safety data sheet provides concentration range(		SAFE	TY DATA S	HEET (SDS)	
Other means of Identification         LCTH-B           Recommended use and restrictions on use         Classing and Constructions           Initial supplier identifier         LabSurface. 101-1079, rue des Forges, Terreborne, QC, J6Y 019 (Canada) Tel. (450) 966-9000           Emergency telephone number/restriction on use         Classing and the transmission of the started start		Sect	tion 1. Identi	ification	
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Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)         Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)         Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)         Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)         Warning         H302 Harmful in contact with skin.         H312 Harmful in contact with skin.         H318 Causes serious eye damage.         P264 Wash hands/mails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product.P273 Avoid release to the environment. P250 Wear gloves/protective clothing gloves/protexts.         PS04 WS1N: P302 = P351 P331 P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER.         POID Dispose of contents/container into safe container in accordance with local, regional or national regulations.         Other hazards flow       None         Section 3. Composition/Information on Ingredients         Chemical name (common name/synonyms)       CAS number or other       concentration (%5)*         Chemical name (common name/synonyms)       CAS number or other shair and keep confort					
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H312 Harmful if swallowed. H312 Harmful in concate with skin. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects Prevention P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product.P273 Avoid release to the environment. P280 Wear gloves/protective clothing/gloves/eye protection/face protection. <b>Response</b> IF SWALLOWED: P301 + P312 call a POISON CENTER if you feel unwell. P303 Rinse mouth. IF ON SKIN: P302 + P352 Wash with plenty of water. P312 call a POISON CENTER if you feel unwell. P362 + P364 Take off contaminated clothing and wash it before reuse. IF IN EYES: P305 + P331 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER. ENVIRONMENT: P391 Control spillage. 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 Chemical name (common name/synonyms) CAS number or other Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s). Section 4. First-Aid Measures Inhalation IF INHALED: Get medical attention immediately. If Oversposure remove person I. Do not use mouth-to-mouth method if victim inhaled the substance. If symptoms persist, seek medical attention. Ingestion IF SWALLOWED: Immediately call odoctor, Preven sapiration of vomit. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. In symptoms persist, seek medical attention. If SWALLOWED: Immediately call odoctor, Preven sapiration or yout. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do n	Information ele	ments (symbols, signal words, hazard statem	ents and prec	autionary statements of the catego	ry/subcategory)
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         Chemical name (common name/synonyms)       CAS number or other       Concentration (%)*         Epoxy Amine Hardener            Section 4. First-Aid Measures         Inhalation       IF INHALED: Get medical attention immediately. If overexposure remove person to fresh air and keep comfortable for breathing, If not breathing, give artificial respiration or give oxygen by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance. If symptoms persist, seek medical attention.       Ingestion         IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Rinse mouth thoroughly with water.         Skin contact       IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If skin irritation occurs: Get medical attention.         Eye contact       IF NS YES, Rinse cautiously with water for several minutes (20 - 30 minutes). Renove contact lenses, if present and easy to do. Ontinue rinsing. If eye irritation persist: Get medical attention.         Byse cont	Warning         H302 Harmful if swallowed.         H312 Harmful in contact with skin.         H318 Causes serious eye damage.         H411 Toxic to aquatic life with long lasting effects         Prevention         P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product.P273 Avoid release to the environment. P280 Wear gloves/protective clothing/gloves/eye protection/face protection.         Response         IF SWALLOWED: P301 + P312 call a POISON CENTER if you feel unwell. P330 Rinse mouth.         IF ON SKIN: P302 + P352 Wash with plenty of water. P312 call a POISON CENTER if you feel unwell. P362 + P364 Take off contaminated clothing and wash it before reuse.         IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER.         ENVIRONMENT: P391 Control spillage.				
Other hazards known         None           Section 3. Composition/Information on Ingredients           Chemical name (common name/synonyms)         CAS number or other         Concentration (%)*           Epoxy Amine Hardener          <100 %           *Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).         Section 4. First-Aid Measures           Inhalation         IF INHALED: Get medical attention immediately. If overexposure remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration or give oxygen by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance. If symptoms persist, seek medical attention.         Ingestion           IF SWALLOWED: Immediately call a doctor. Prevent aspiration of yomit. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Rinse mouth thoroughly with water.           Skin contact         IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If skin irritation occurs: Get medical attention.           Eye contact         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.           Most important symptoms and effects (acute or delayed) <t< th=""><th></th><th>contents/container into safe container in accord</th><th>dance with loc:</th><th>al regional or national regulations.</th><th></th></t<>		contents/container into safe container in accord	dance with loc:	al regional or national regulations.	
Section 3. Composition/Information on Ingredients           Chemical name (common name/synonyms)         CAS number or other         Concentration (%)*           Epoxy Amine Hardener          <100 %					
Chemical name (common name/synonyms)         CAS number or other         Concentration (%)*           Epoxy Amine Hardener         <100 %           *Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).         <100 %           *Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).         Section 4. First-Aid Measures           Inhalation         IF INHALED: Get medical attention immediately. If overexposure remove person to fresh air and keep comfortable for breathing, If not breathing, give artificial respiration or give oxygen by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance. If symptoms persist, seek medical attention.           Ingestion         IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Rinse mouth thoroughly with water.           Skin contact         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. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. If symptoms persist, seek medical attention.           Eye contact         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 medic			sition/Inform	nation on Ingredients	
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do. Continue rinsing. If eye irritation persists: Get medical attention.         Most important symptoms and effects (acute or delayed)       Harmful if swallowed. Harmful in contact with skin. Causes serious eye damage.         Indication of immediate medical attention/special treatment       In all cases, call a doctor. Do not forget this document.         Section 5. Fire-Fighting Measures         Specific hazards of the hazardous product (hazardous combustion products)	<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. Discard items which cannot be decontaminated,				
Most important symptoms and effects (acute or delayed)       Harmful if swallowed. Harmful in contact with skin. Causes serious eye damage.         Indication of immediate medical attention/special treatment       In all cases, call a doctor. Do not forget this document.         Section 5. Fire-Fighting Measures         Specific hazardous product (hazardous combustion products)	<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				
damage.         Indication of immediate medical attention/special treatment       In all cases, call a doctor. Do not forget this document.         Section 5. Fire-Fighting Measures         Specific hazardous product (hazardous combustion products)					
Section 5. Fire-Fighting Measures Specific hazards of the hazardous product (hazardous combustion products)	-	Most important symptoms and effects (acute or delayed) Harmful if swallowed. Harmful in contact with skin. Causes serious eye			
Specific hazards of the hazardous product (hazardous combustion products)	Indication of im				ument.
	~		0	0	
Oxides of carbon and nitrogen.		· · · · · · · · · · · · · · · · · · ·	oustion produce	ets)	
	Oxides of carbor	and nitrogen.			



#### Suitable and unsuitable extinguishing media

In case of fire: Use Dry chemical, water fog

#### Special protective equipment and precautions for fire-fighters

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

#### Section 6. Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

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. Removal of 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.

#### Methods and materials for containment and cleaning up

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.

## Section 7. Handling and Storage

#### Precautions for safe handling

Wash hands/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear gloves/protective clothing/gloves/eye protection/face protection.

#### Conditions for safe storage, including any incompatibilities

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.

#### 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 Not available.

### 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: use suitable protective clothing to prevent any possibility of skin contact; 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				
Appearance, physical state/colour Liquid	Vapour	Vapour pressure Not available		
Odour Not available	Vapour	Vapour density Not available		
Odour threshold Not available	Relative	Relative density Not available		
<b>pH</b> Not available	Solubili	y Not av	ailable	
Melting/freezing point Not available	Partition	ı coefficien	t - n-octanol/water	Not available
Initial boiling point/range Not available	Auto-ig	nition temp	erature Not availa	able
<b>Flash point</b> 218.5 °C (425.3°F)	Decomp	Decomposition temperature Not available		
<b>Evaporation rate</b> Not available	Viscosit	Viscosity Not available		
Flammability (solids and gases) Not available	VOC	VOC Not available		
Upper and lower flammability/explosive limits Not available		Other None known		
Section 10. Stability and Reactivity				
Reactivity				
Does not react under the recommended storage and handling conditions prescribed.				
Chemical stability				
Yes, Stable under the recommended storage and handling conditions prescribed.				
Possibility of hazardous reactions				
Non under normal conditions of storage and use.				
Conditions to avoid (static discharge, shock or vibration)				
Excess heat and sources of ignition				



Incompatible materials	
Avoid contact with oxidizing agents, acids, epoxie	S.
Hazardous decomposition products	
None known.	
	Section 11. Toxicological Information
Information on the likely routes of exposure (in	
Harmful if swallowed. Harmful in contact with ski	
Symptoms related to the physical, chemical and	
Corrosive, may cause skin burns.	
Delayed and immediate effects (chronic effects f	from short-term and long-term exposure)
	us eye damage. Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No
	city – No classified as a carcinogenic; Reproductive Toxicity – Not available; Specific Target
	nation found; Specific Target Organ Toxicity — Repeated Exposure – No information found;
	th Hazards Not Otherwise Classified – No data available.
Numerical measures of toxicity (ATE; LD <sub>50</sub> & I	
	female; LD <sub>50</sub> Dermal Rabbit >1000 mg/kg bw; LC <sub>50</sub> Inhalation Rat No available; ATE not
available in this document.	
	Section 12. Ecological Information
Ecotoxicity (aquatic and terrestrial information	
<b>Fish toxicity</b> : LC50: >100 mg/L (Fish, 96h);	•/
<b>Toxicity to Aquatic Invertebrates</b> : EC <sub>50</sub> : 13 mg/l	l (Crustacea) 48h
Acute toxicity to aquatic plants: EC <sub>50</sub> : 4.4 mg/l (	
	conditions no biodegradation observed
<b>Bioaccumulative potential</b> Not available	onditions no biodegradation observed
Mobility in soil         No data available	
Other adverse effects Toxic to aquatic life wi	ith long lasting effects
other adverse enecus	Section 13. Disposal Considerations
Information on safe handling for disposal/metho	
	n accordance with local, regional or national regulations.
Dispose of contents/container into safe container in	
UN number; Proper shipping name; Class(es);	Section 14. Transport Information
	Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III
UN number; Proper shipping name; Class(es);	Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III
	LIQUIQ (EDOXV AMINE HARDENE). N.U.S.: HAZAKD ULASS:9: PAUKING GKOUP: III
	Packing group (PG) of the IATA (air)
UN 3082; Environmentally Hazardous Substance l	Packing group (PG) of the IATA (air)           Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III
UN 3082; Environmentally Hazardous Substance I Special precautions (transport/conveyance) N	Packing group (PG) of the IATA (air)           Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III           None
UN 3082; Environmentally Hazardous Substance ISpecial precautions (transport/conveyance)NEnvironmental hazards (IMDG or other)N	Packing group (PG) of the IATA (air) Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III None None
UN 3082; Environmentally Hazardous Substance I Special precautions (transport/conveyance) N	Packing group (PG) of the IATA (air) Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III None None
UN 3082; Environmentally Hazardous Substance I         Special precautions (transport/conveyance)       N         Environmental hazards (IMDG or other)       N	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         Jone         Jone         acity)       Possible
UN 3082; Environmentally Hazardous Substance I         Special precautions (transport/conveyance)       N         Environmental hazards (IMDG or other)       N         Bulk transport (usually more than 450 L in cap	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         None         Jone         acity)       Possible         Section 15. Regulatory Information
UN 3082; Environmentally Hazardous Substance I         Special precautions (transport/conveyance)       N         Environmental hazards (IMDG or other)       N	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         Ione         Jone         acity)       Possible         Section 15. Regulatory Information         This product has been classified in accordance with the hazard criteria of the Hazardous Products
UN 3082; Environmentally Hazardous Substance I         Special precautions (transport/conveyance)       N         Environmental hazards (IMDG or other)       N         Bulk transport (usually more than 450 L in cap         Safety/health Canadian regulations specifics	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         Ione         Jone         acity)       Possible         Section 15. Regulatory Information         This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
UN 3082; Environmentally Hazardous Substance I Special precautions (transport/conveyance) N Environmental hazards (IMDG or other) N Bulk transport (usually more than 450 L in cap Safety/health Canadian regulations specifics Environmental Canadian regulations specifics	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         None         Sone         acity)       Possible         Section 15. Regulatory Information         This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).         Refer to Section 3 for ingredient(s) of the DSL
UN 3082; Environmentally Hazardous Substance I         Special precautions (transport/conveyance)       N         Environmental hazards (IMDG or other)       N         Bulk transport (usually more than 450 L in cap         Safety/health Canadian regulations specifics         Environmental Canadian regulations specifics         Safety/health/environmental outside regulations	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         None         Sone         acity)       Possible         Section 15. Regulatory Information         This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).         Refer to Section 3 for ingredient(s) of the DSL         s specifics
UN 3082; Environmentally Hazardous Substance I Special precautions (transport/conveyance) N Environmental hazards (IMDG or other) N Bulk transport (usually more than 450 L in cap Safety/health Canadian regulations specifics Environmental Canadian regulations specifics Safety/health/environmental outside regulations United States OSHA information: This product is in	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         None         Jone         acity)       Possible         Section 15. Regulatory Information         This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).         Refer to Section 3 for ingredient(s) of the DSL         s specifics         regulated according to OSHA (29 CFR).
UN 3082; Environmentally Hazardous Substance I         Special precautions (transport/conveyance)       N         Environmental hazards (IMDG or other)       N         Bulk transport (usually more than 450 L in cap         Safety/health Canadian regulations specifics         Environmental Canadian regulations specifics         Safety/health/environmental outside regulations         United States OSHA information: This product is to United States EPA (Environmental Protection Age	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         None         Jone         acity)       Possible         Section 15. Regulatory Information         This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).         Refer to Section 3 for ingredient(s) of the DSL         s specifics         regulated according to OSHA (29 CFR).         ency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.
UN 3082; Environmentally Hazardous Substance I         Special precautions (transport/conveyance)       N         Environmental hazards (IMDG or other)       N         Bulk transport (usually more than 450 L in cap         Safety/health Canadian regulations specifics         Environmental Canadian regulations specifics         Safety/health/environmental outside regulations         United States OSHA information: This product is product product is product is product is product product is product p	Packing group (PG) of the IATA (air)         Liquid (Epoxy Amine Hardener), N.O.S.; HAZARD CLASS:9; PACKING GROUP: III         None         Jone         acity)       Possible         Section 15. Regulatory Information         This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).         Refer to Section 3 for ingredient(s) of the DSL         s specifics         regulated according to OSHA (29 CFR).         ency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.         redients listed in Section 3.
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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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