

SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	LOGGIN ART RESIN Part A	
Other means of identification	n CRUV11000A	
Recommended use and restr	rictions on use Casting and Countertops	
Initial supplier identifier	LabSurface. 101-1079, rue des Forges, Terrebonne, QC, J6Y 0J9 (Canada) Tél. (450) 966-9000	
Emergency telephone number	er/restriction on 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)	
Acute toxicity, oral (Category		
Skin corrosion/irritation (Cate	egory 2)	
Skin sensitization (Category 1		
Serious eye damage/eye irritat	tion (Category 2A)	

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

H302 Harmful if swallowedH315 Causes skin irritation.H317 May cause an allergic skin reaction.H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product 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 + P312 Call a Poison Center/doctor if you feel unwell. P330 Rinse mouth.

IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell.P333+P313 If skin irritation or rash occurs: Get medical advice/attention 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/doctor if you feel unwell.

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 (%)*
Polymère en Bisphénol A / Epichlorohydrine25068-38-6> 70 %		> 70 %	
2,2'-[1,4-Butaned	2,2'-[1,4-Butanediylbis(oxymethykene)bis[oxirane] 2425-79-8 <10 %		< 10 %
Benzyl Alcohol		100-51-6	< 15 %
Trade secret			< 10 %
*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: 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. Never give vomit.	anything by mouth to an unconsciou	us person. Prevent aspiration of
Skin contact	IF ON SKIN: Wash immediately with soap and plenty attention. Take off contaminated clothing and wash it before		



		bands. If symptoms persist, seek medical attention.
Eye contact	do. Continue rinsing. If eye irritation persists:	
Most important	t symptoms and effects (acute or delayed)	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.
Indication of immediate medical attention/special treatment Ir		In all cases, call a doctor. Do not forget this document.
		Fire-Fighting Measures
Specific hazard	s of the hazardous product (hazardous combu	
Smoke, fume, ox		····
	suitable extinguishing media	
	Jse Carbon dioxide (CO ₂), dry chemical, water an	id alcohol resistant foam
	ve equipment and precautions for fire-fighters	
During a fire, irr	itating/toxic fumes may be generated. Do not ent	er fire area without proper protection. Firefighters should wear proper protective
equipment as req		cidental Release Measures
Personal preca	itions, protective equipment and emergency p	
Evacuate non-en personnel only. A drains, sewers, w	nergency personnel. Isolate the area and prevent a All persons dealing with clean-up should wear the vater supplies, or soil. ELIMINATE all ignition s precautionary measures against static discharges.	access. Control source of the leak. Ensure clean-up is conducted by trained e appropriate protective equipment (See Section 8). Prevent the spill spread into ources (no smoking, flares, sparks or flames in immediate area). Pay attention to All equipment used when handling the product must be grounded. Do not touch
	aterials for containment and cleaning up	
Avoid prolonged material and disp from all waterco	exposure. Stop leak if you can do it without risk. posed into suitable retaining area. Small volumes	Do not touch or walk through spilled material. Spill should be contained with iner of liquid may be contained or absorbed into an appropriate absorbent. Keep away . Take precautionary measures against static discharges. Dispose of in accordance
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	Section 7.	Handling and Storage
Avoid breathing	safe handling dust/fume/gas/mist/vapors/spray. Wash hands/na	
this product. Co. clothing/gloves/ Conditions for s Store in a cool, ignition. Store a damaged. Storag	safe handling dust/fume/gas/mist/vapors/spray. Wash hands/na ntaminated work clothing should not be allowed eye protection/face protection. safe storage, including any incompatibilities well-ventilated area. Keep container closed whe way from incompatible materials (Section 10). If ge area should be clearly identified, clear of obsta	ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources of Inspect all incoming containers to make sure they are properly labelled and not ruction and accessible only to trained personnel. Inspect periodically for damage
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Avoid breathing this product. Co clothing/gloves// Conditions for s Store in a cool, ignition. Store a damaged. Storage or leaks. Storage Control parame Exposure limits: Appropriate en Use product in v contaminants be and near handlin meets recognized Individual prot Gloves: Neoprer Use a NIOSH ap protection and h personal hygiend use and handling Appearance, ph Odour Faint c Odour threshol pH Not avai Melting/freezin	safe handling dust/fume/gas/mist/vapors/spray. Wash hands/mintaminated work clothing should not be allowed eye protection/face protection. safe storage, including any incompatibilities well-ventilated area. Keep container closed whee way from incompatible materials (Section 10). It is are a should be clearly identified, clear of obstrict temperature: 16 - 27 °C. Section 8. Exposure temperature: 16 - 27 °C. Section 8. Exposure area should be clearly identified, clear of obstrictemperature: 16 - 27 °C. Section 8. Exposure ACGIH – TLV-TWA Not available gineering controls well-ventilated areas. Do not spray the product. low exposure limits. Supply emergency safety/que ng area. Where such systems are not effective, d standards. ection measures/personal protective equipmen n gloves or equivalent; Clothing: Shirts with long poroved respirators if the exposure limits are unkry giene: Wash hands/nails/face thoroughly after h e after using this material. Remove and wash controls of this product. Follow all label instructions. Section 9. Physi tiquid odor Action 0. Not available gippoint Not available <td< td=""><td>ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources o Inspect all incoming containers to make sure they are properly labelled and no ruction and accessible only to trained personnel. Inspect periodically for damage re Controls/Personal Protection values and source of those values) Local exhaust ventilation system is recommended to maintain concentrations o tick-drench shower, eyewash station and washing facilities available in work area wear suitable personal protection equipment which performs satisfactorily and t sleeves, long pants; Respiratory: Not required if working area is well ventilated. nown; Equipment: Safety glasses, chemical resistant. Special instructions for andling. Do not eat, drink or smoke when using this product. Practice good taminated work clothing before re-use. Educate and train employees in the safe ical and Chemical Properties Vapour pressure Not available Relative density Not available Solubility Not soluble Partition coefficient - n-octanol/water Not available Auto-ignition temperature Not available</td></td<>	ails /face/eyes thoroughly after handling. Do not eat, drink or smoke when using out of the workplace. Avoid release to the environment. Wear gloves/protective en not in use. Do not handle or store near open flames, heat or other sources o Inspect all incoming containers to make sure they are properly labelled and no ruction and accessible only to trained personnel. Inspect periodically for damage re Controls/Personal Protection values and source of those values) Local exhaust ventilation system is recommended to maintain concentrations o tick-drench shower, eyewash station and washing facilities available in work area wear suitable personal protection equipment which performs satisfactorily and t sleeves, long pants; Respiratory: Not required if working area is well ventilated. nown; Equipment: Safety glasses, chemical resistant. Special instructions for andling. Do not eat, drink or smoke when using this product. Practice good taminated work clothing before re-use. Educate and train employees in the safe ical and Chemical Properties Vapour pressure Not available Relative density Not available Solubility Not soluble Partition coefficient - n-octanol/water Not available Auto-ignition temperature Not available



Upper and lower fla	flammability/explosive limits Not available Other None known		
	Section 10. Stability and Reactivity		
Reactivity			
Stable under normal			
Chemical stability			
Possibility of hazar	ne recommended storage and handling conditions prescribed.		
	conditions of storage and use.		
	d (static discharge, shock or vibration)		
Excess heat.	(state discharge, snock of vibration)		
Incompatible mater	erials		
Acids, bases, amines			
Hazardous decomp			
Chloro hydrogen, ca			
, ,	Section 11. Toxicological Information		
Information on the	e likely routes of exposure (inhalation, ingestion, skin and eye contact)		
	red. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.		
	to the physical, chemical and toxicological characteristics		
Skin irritation with l	local redness.		
	ediate effects (chronic effects from short-term and long-term exposure)		
	- May cause allergic skin reaction. Skin disorders and Allergies. Respiratory Sensitization – No data available;		
	nicity - Animal genetic toxicity studies were negative; Carcinogenicity - , the most recent review of the available data b		
	cy for Research on Cancer (IARC) has concluded that DGEBPA is not classified as a carcinogen; Reproductive Toxicity	r – In	
	not interfere with reproduction;		
	gan Toxicity — Single Exposure – Evaluation of available data suggests that this material is not an STOT-SE toxicant; Spe		
	city — Repeated Exposure – Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of	t this	
	ated to cause any significant adverse effects; – Based on physical properties, not likely to be an aspiration hazard; Health Hazards Not Otherwise Classified – No	data	
available.	- Based on physical properties, not likely to be an aspiration nazard, meanin nazards Not Otherwise Classified - No	uata	
	res of toxicity (ATE; LD ₅₀ & LC ₅₀)		
	D ₅₀ Oral - Rat - > 15,000 mg/kg; LD ₅₀ Dermal – Rabbit – 23,000 mg/kg; LC ₅₀ Inhalation – has not been determined;		
	D_{50} Oral - Rat 1134 mg/kg; LD_{50} Dermal – Rabbit – 1130 mg/kg; LC_{50} Inhalation – Not available;		
ATE not available in			
	Section 12. Ecological Information		
	tic and terrestrial information)		
Toxicity to fish CA	AS: 25068-38-6 LC ₅₀ : 1 - 10 mg/l (in the most sensitive species tested)/ LC ₅₀ 2 mg/l (Oncorhynchus mykiss (rainbow tr	rout),	
	Hour ; CAS: 2425-79-8 LC ₅₀ : 24 mg/l (Danjo rerio) 96 Hour		
	tic Invertebrates: CAS: 25068-38-6 EC ₅₀ : 1.8 mg/l (Water flea (Daphnia magna) 48h) ; CAS: 2425-79-8 EC ₅₀ : 75	mg/l	
(Daphnia magna) 48			
	c Plants : CAS: 25068-38-6 EC ₅₀ : 11 mg/l (Fresh water algae (Scenedesmus capricornutum) static test, 72h);		
Persistence and deg	ia CAS: 25068-38-6 IC ₅₀ : >42.6 mg/l, (Respiration rates, 18h).		
Bioaccumulative po			
bioaccumulative po	CAS: 25000-58-0 Bio-concentration potential is inductate, CAS: 2425-79-8 Bioaccumulation is unlikely low Pow -1.33.		
Mobility in soil	CAS: 25068-38-6 Potential for mobility in soil is low;		
widdling in son	CAS: 2425-79-8 The product is water soluble and may spread in water systems. It will likely be mobile in the environm	ent	
	due to its water solubility Highly mobile in soils.	ent	
Other adverse effect			
	Section 13. Disposal considerations		
Information on safe	fe handling for disposal/methods of disposal/contaminated packaging		
	s/container into safe container in accordance with local, regional or national regulations.		
	Section 14. Transport Information		
UN number; Prope	er shipping name; Class(es); Packing group (PG) of the TDG Regulations		
Not regulated.			
	er shipping name; Class(es); Packing group (PG) of the IMDG (maritime)		
Not regulated.	Not regulated.		
	er shipping name; Class(es); Packing group (PG) of the IATA (air)		
Not regulated.			
Special precautions	as (transport/conveyance) None		



	al hazards (IMDG or other) None	
Bulk transpor	t (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 Products Regulations (HPR).	
Environmenta	al 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).	
	EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.	
United States 7	CSA information: Refer to the ingredients listed in Section 3.	
	Section 16. Other Information	
Date of the lat	test revision of the safety data sheet February 04, 2018 - 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	
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	
or information pr	absurface expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product rovided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the	
•	le 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 continuor	usly testing our coatings and on occasion, formulations may be modified to improve certain properties within each coating. Information and data	

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)

Section	1	Identification
5CUIUII		поснити апон

Product identifier LOGGIN ART RESIN Part B Other means of identification CRUV11B Recommended use and restrictions on use Casting and Countertops Initial supplier identifier LabSurface. 101-1079, rue des Forges, Terrebonne, QC, J6Y 0J9 (Canada) Tél. (450) 966-9000 Emergency telephone number/restriction on 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) Acute toxicity, oral and dermal toxicity (Category 4) Skin corrosion/irritation (Category 1C) Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 2)
Recommended use and restrictions on use Casting and Countertops Initial supplier identifier LabSurface. 101-1079, rue des Forges, Terrebonne, QC, J6Y 0J9 (Canada) Tél. (450) 966-9000 Emergency telephone number/restriction on 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) Acute toxicity, oral and dermal toxicity (Category 4) Skin corrosion/irritation (Category 1C) Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazard out irritation (Category 3)
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Acute toxicity, oral and dermal toxicity (Category 4) Skin corrosion/irritation (Category 1C) Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 3)
Skin corrosion/irritation (Category 1C) Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 3)
Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 3)
Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Hazardous to the aquatic environment, acute hazard (Category 3)
Hazardous to the aquatic environment, acute hazard (Category 3)
Hazardous to the aquatic environment, long-term-hazard (Category 2)
Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)
Warning
H302 + H312 Harmful if swallowed, in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation

H402 Harmful to aquatic life

H411 Harmful to aquatic life with long lasting effects.

Prevention

P260 + P261 Do not/avoid breath dust/fume/gas/mist/vapours/spry. P264 Wash hands/nails/face/eves thoroughly after handling. P270 Do not eat, drink or smoke when using this product 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 + P312 Call a Poison Center/doctor if you feel unwell. P330 Rinse mouth. P331 Do NOT induce vomiting. IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. P303+P361+P353 If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water (or shower). P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. 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. P310 Immediately call a POISON CENTER 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 Collect spillage

Storage

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

Other hazards			
Section 3. Composition/Information on Ingredients			
Chemical nam	e (common name/synonyms)	CAS number or other	Concentration (%)*
Polyetheramine		9046-10-0	10 - 30 %
Isophorone Dia	mine	2855-13-2	15 - 40 %
Benzyl alcohol		100-51-6	10 - 20 %
Polymère en Bisphénol A / Epichlorohydrine 25068-38-6 10 – 25 %		10-25 %	
Dimethyldicyan 6864-37-5 10-30		10-30 %	
*Statement - T	his safety data sheet provides concentration range(s) instead o	f the actual concentration(s) considered	ed trade secret(s).
	Section 4. First-Ai		
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 a	spiration of vomit. Never give anythi	ing by mouth to an unconsc



	person. Rinse mouth thoroughly with water.		
Skin contact		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	l watchbands. If symptoms persist, seek medical attention.	
Eye contact		veral minutes (20 - 30 minutes). Remove contact lenses, if present and easy to	
	do. Continue rinsing. If eye irritation persists: G		
Most importan		Harmful if swallowed and in contact with skin. Causes severe skin burns and	
		ye damage. May cause an allergic skin reaction. May cause respiratory	
		rritation.	
Indication of in		n all cases, call a doctor. Do not forget this document.	
Creatifie harman		re-Fighting Measures	
	Is of the hazardous product (hazardous combusti xides of carbon and nitrogen.	on products)	
	isuitable extinguishing media		
		maintaint from	
	Jse Carbon dioxide (CO ₂), dry chemical and alcoho	resistant loam.	
	ive equipment and precautions for fire-fighters	fire area without proper protection. Firefighters should wear proper protective	
equipment as rec		fire area without proper protection. Firefighters should wear proper protective	
equipment as ree		dental Release Measures	
Personal preca	utions, protective equipment and emergency pro		
		cess. Control source of the leak. Ensure clean-up is conducted by trained	
		ppropriate protective equipment (See Section 8). Prevent the spill spread into	
		(no smoking, flares, sparks or flames in immediate area). Pay attention to	
flashback. Take	precautionary measures against static discharges. A	Il equipment used when handling the product must be grounded. Do not touch	
	spilled material.		
	naterials for containment and cleaning up		
		spill should be contained with inert material and disposed into suitable retaining	
		f liquid may be contained or absorbed into an appropriate absorbent. Keep away	
		Take precautionary measures against static discharges. Dispose of in accordance	
with local, provi	ncial and federal regulations.		
	Section 7. F	Iandling and Storage	
Dave a sard's same for	f. h dlin .	<u> </u>	
Precautions for			
Do not/avoid br	reath dust/fume/gas/mist/vapours/spry. Wash hands	/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when	
Do not/avoid buusing this produ	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C	/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when ontaminated work clothing should not be allowed out of the workplace. Avoid	
Do not/avoid be using this produ release to the en	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/	/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when ontaminated work clothing should not be allowed out of the workplace. Avoid	
Do not/avoid be using this produ release to the en Conditions for	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities	c/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection.	
Do not/avoid buusing this produce release to the en Conditions for Store in a cool,	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when	Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection.	
Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when away from incompatible materials (Section 10). Ins	c/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection.	
Do not/avoid bu using this produ- release to the en Conditions for Store in a cool, ignition. Store a damaged. Store	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In- ge area should be clearly identified, clear of obstru- e temperature: 16 - 27 °C.	Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection.	
Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a damaged. Storag or leaks. Storag	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In- ge area should be clearly identified, clear of obstrue temperature: 16 - 27 °C. Section 8. Exposure	Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. not in use. Do not handle or store near open flames, heat or other sources of spect all incoming containers to make sure they are properly labelled and not ction and accessible only to trained personnel. Inspect periodically for damage Controls/Personal Protection	
Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a damaged. Storag or leaks. Storage Control param	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In ge area should be clearly identified, clear of obstrue temperature: 16 - 27 °C. Section 8. Exposure eters (biological limit values or exposure limit va	Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. not in use. Do not handle or store near open flames, heat or other sources of spect all incoming containers to make sure they are properly labelled and not ction and accessible only to trained personnel. Inspect periodically for damage Controls/Personal Protection	
Do not/avoid bu using this produ release to the en Conditions for Store in a cool, ignition. Store a damaged. Storag or leaks. Storage Control param Exposure limits	reath dust/fume/gas/mist/vapours/spry. Wash hands ct. Use only outdoors or in a well ventilated area. C vironment. Wear gloves/protective clothing/gloves/ safe storage, including any incompatibilities well-ventilated area. Keep container closed when way from incompatible materials (Section 10). In ge area should be clearly identified, clear of obstrue temperature: 16 - 27 °C. Section 8. Exposure eters (biological limit values or exposure limit va a ACGIH – TLV-TWA Not available.	Anails/face/eyes thoroughly after handling. Do not eat, drink or smoke when contaminated work clothing should not be allowed out of the workplace. Avoid eye protection/face protection. not in use. Do not handle or store near open flames, heat or other sources of spect all incoming containers to make sure they are properly labelled and not ction and accessible only to trained personnel. Inspect periodically for damage Controls/Personal Protection	
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T. 11.1.1	
Initial boiling point/range Not available	Auto-ignition temperature Not available
Flash point > 100 °C	Decomposition temperature Not available Viscosity Not available
Evaporation rate 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	
Reactivity	
Stable under normal conditions.	
Chemical stability	
Yes, Stable under the recommended storage and handling conditions prescribe	d
Possibility of hazardous reactions	u.
Non under normal conditions of storage and use.	
Conditions to avoid (static discharge, shock or vibration)	
Excess heat.	
Incompatible materials	
Avoid contact with oxidizing materials, acids, acrylates, metals, nitrites, keto	ones, hydrocarbons, aldehydes, alcohol.
Hazardous decomposition products	
Ammonia, amines, aromatic compounds, hydrocarbons, phenolics.	
Section 11. Toxicolog	ical Information
Information on the likely routes of exposure (inhalation, ingestion, skin	
Harmful if swallowed and in contact with skin. Causes severe skin burns	
respiratory irritation.	and eye canage, may cause an anergie skin reaction. May cause
Symptoms related to the physical, chemical and toxicological characteric	stics
Corrosive, may cause skin burns.	
Delayed and immediate effects (chronic effects from short-term and long	g-term exposure)
Skin Sensitization - May cause allergic skin reaction. May cause skin	
available;	
Germ Cell Mutagenicity - Not available; Carcinogenicity - No ingredient lis	sted in IARC; Reproductive Toxicity – Not available;
Specific Target Organ Toxicity - Single Exposure - No information for	
information found;	
Aspiration Hazard - No information found; Health Hazards Not Otherwise	Classified – No data available.
Numerical measures of toxicity (ATE; LD50 & LC50)	
CAS 9046-10-0 LD ₅₀ Oral - Rat 242 mg/kg; LD ₅₀ Dermal Not available; LO	
CAS 2855-13-2 LD ₅₀ Oral - Rat 1030 mg/kg; LD ₅₀ Dermal Not available; L	
CAS 100-51-6 LD ₅₀ Oral - Rat 1230 mg/kg; LD ₅₀ Dermal Not available; LC	C ₅₀ Inhalation Not available;
ATE not available in this document.	
Section 12. Ecologic	al Information
Ecotoxicity (aquatic and terrestrial information)	
Fish toxicity CAS:9046-10-0: LC50: 772.14 mg/L (Fish, 96h);	
Toxicity to Aquatic Invertebrates: CAS:2855-13-2 - EC ₅₀ : 17.4 mg/l (W	ater flea 48h); CAS: 100-51-6 EC50: 55 mg/l (Water flea 24h); CAS:
9046-10-0 EC ₅₀ : 80 mg/l (Daphnia ap. Acute) 48h)	1.
Persistence and degradability CAS: 2855-13-2 No information foun CAS:9046-10-0 Not biodegradable	d;
Bioaccumulative potential No information found Mobility in soil No data available	
Other adverse effects Harmful to aquatic life. Harmful to aquatic life was a static life.	ith long losting affects
Other adverse effects frammul to aquatic me. mannul to aquatic me w	iui iolig lasting effects
Section 13. Disposal	Considerations
Information on safe handling for disposal/methods of disposal/contamin	
Dispose of contents/container into safe container in accordance with local, re-	
Section 14. Transpo	
UN number; Proper shipping name; Class(es); Packing group (PG) of th	
UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glyco	
CLASS: 8; PACKING GROUP: III	1) on 2 animopropyremer, isophorone diamine, mALAND
UN number; Proper shipping name; Class(es); Packing group (PG) of th	ne IMDG (maritime)
UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glyco	
CLASS: 8; PACKING GROUP: III s.	, on (_ and optop from one for the damage, in the date
UN number; Proper shipping name; Class(es); Packing group (PG) of th	ne IATA (air)
UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glyco	
CLASS: 8; PACKING GROUP: III	, (
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Special precaut	tions (transport/conveyance) May also be shipped as a LIMITED QUANTITY in accordance with TDG.	
	hazards (IMDG or other) Marine pollutant	
Bulk transport (usually more than 450 L in capacity) Possible		
	Section 15. Regulatory Information	
Safety/health C	Canadian regulations specifics This product has been classified in accordance with the hazard criteria of the Hazardous Products	
-	Regulations (HPR).	
Environmental	Canadian regulations specifics Refer to Section 3 for ingredient(s) of the DSL	
	nvironmental outside regulations specifics	
United States Of	SHA information: This product is regulated according to OSHA (29 CFR).	
United States EI	PA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.	
United States TO	CSA information: Refer to the ingredients listed in Section 3.	
	Section 16. Other Information	
Date of the late	st revision of the safety data sheet November 27, 2018 - version 02	
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	
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	
or information pro product is suitable we are continuous	absurface expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product ovided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the to r their particular purposes and they assume all risks of their use, handling, and disposal of the product. In order to meet our strict requirements, sly 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.