

SAFETY DATA SHEET (SDS)

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	Section 1. Identi	· · · · ·	
Product identifi			
	use and restrictions on use Epoxy sealing gel		
Initial supplier i	dentifier PPI Tech, 2700 W. Cumberland Street, Bu		
	phone number/restriction on use CHEMTREC® 1-800-2	262-8200	
	Section 2. Hazard Id	lentification	
Classification of	hazardous product (name of the category or subcategory		
	ral, dermal and inhalation (Category 4)		
	ritation (Category 2)		
Skin sensitisatior			
Serious eye dama	age/eye irritation (Category 2A)		
Carcinogenicity (
Hazardous to the	aquatic environment, log-term hazard (Category 3)		
Information ele	nents (symbols, signal words, hazard statements and prec	autionary statements of the catego	ry/subcategory)
H315 Causes skii H317 May cause H319 Causes seri H351 Suspected H412 Harmful to Prevention P201 Obtain spe dust/fume/gas/mi product P271 Us Avoid release to Response IF SWALLOWE IF ON SKIN: P3 contaminated clo IF INHALED: P3 IF IN EYES: P3 Immediately call	an allergic skin reaction ious eye irritation of causing cancer aquatic life with long lasting effects cial instruction before use P202 Do not handle until all safe st/vapours/spry. P264 Wash hands/nails/face/eyes thoroughl e only outdoors or in a well ventilated area. P272 Contami the environment P280 Wear protective gloves/protective cloth D: P301 + P312 Immediately call a Poison Center/doctor if y 02 + P352 Wash with plenty of water. P332 + P313 If skin in thing and wash it before reuse. 304 + P340 Remove person to fresh air and keep comfortable 605 + P351 + P338 Rinse cautiously with water. Remove a POISON CENTER/doctor. P337 + P313 If eye irritation per R CONCERNED: P308 + P313 Get medical advice/attention	y after handling. P270 Do not eat, of nated work clothing should not be a hing/eye protection/ face protection ou feel unwell. P330 Rinse mouth. ritation occurs: Get medical advice/a for breathing. P312 Call a doctor if contact lenses, if present and easy	lrink or smoke when using this allowed out of workplace P273 attention. P362 + P364 Take off you feel unwell.
	contents/container into safe container in accordance with loca	al, regional or national regulations.	
Other hazards k			
	Section 3. Composition/Inform	nation on Ingredients	
Chemical name	(common name/synonyms)	CAS number or other	Concentration (%)*
	bhénol A / Epichlorohydrine	25068-38-6	> 60 %
Diluent reactive		2425-79-8	< 25 %
Synthetic Amorphous Silica (SAS)		7631-86-9	< 15 %
Titanium dioxide		13463-67-7	< 25 %
*Déclaration - Cette fiche de données de sécurité comprend une (des) plage(s) de c			
	me secret(s) industriel(s).	2. concentrations au neu de la (des)	
	Section 4. First-Aid	Measures	
Inhalation	IF INHALED: If overexposure remove person to fresh air a		f not breathing give artificial
	IF INFIALED. If overexposure remove person to fresh all a	and keep connormable for breaking. I	i not oreating, give artificial
		IS DELSISE SEEK INCOLCALATION	
	respiration or give oxygen by trained personnel If symptom	nimition of yomit Direct month 41	anghly with water Marrie
	IF SWALLOWED: Immediately call a doctor. Prevent as	piration of vomit. Rinse mouth thor	oughly with water. Never give
Ingestion Skin contact	IF SWALLOWED: Immediately call a doctor. Prevent as anything by mouth to an unconscious person. IF ON SKIN: Remove contaminated clothing, wash imme	piration of vomit. Rinse mouth thor	



			ms which cannot be decontaminated including
	seek medical attention. Wash contaminated c		
Eye contact	leather articles such as shoes, belts and watchbands. IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to the several minutes (20 - 30 minutes).		
Lye contact	do. Continue rinsing. If eye irritation persists: Get medical attention.		
Most important symptoms and effects (acute or delayed)		Harmful if swallowed, dermal	or if inhaled. Causes skin irritation. May cause es serious eye irritation. Suspected of causing
Indication of ir	nmediate medical attention/special treatment	In all cases, call a doctor. Do no	t forget this document.
		Fire-Fighting Measures	
Specific hazard	ls of the hazardous product (hazardous combu	stion products)	
Smoke, toxic fu	mes, oxides of carbon.		
Suitable and u	nsuitable extinguishing media		
In case of fire: U	Use Carbon dioxide (CO2), dry chemical, water ar	nd alcohol resistant foam.	
	ive equipment and precautions for fire-fighter		
	ritating/toxic fumes may be generated. Do not ent	ter fire area without proper protect	tion. Firefighters should wear proper protective
equipment as rec	•		
<u> </u>		ccidental Release Measures	
	utions, protective equipment and emergency p mergency personnel. Isolate the area and prevent		
drains, sewers, v flashback. Take or walk through	All persons dealing with clean-up should wear th water supplies, or soil. ELIMINATE all ignition s precautionary measures against static discharges. spilled material.	sources (no smoking, flares, spark	s or flames in immediate area). Pay attention to
	naterials for containment and cleaning up	0.11.1.11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
	d exposure. Stop leak if you can do it without risk ch or walk through spilled material. Small volume		
		s of figure may be contained of ab	
			ainst static discharges. Dispose of in accordance
from all waterco	ourses. Do not flush down storm or sanitary sewer		ainst static discharges. Dispose of in accordance
from all waterco	purses. Do not flush down storm or sanitary sewer incial and federal regulations.	r. Take precautionary measures ag	ainst static discharges. Dispose of in accordance
from all waterco with local, provi	purses. Do not flush down storm or sanitary sewer incial and federal regulations. Section 7 r safe handling	 Take precautionary measures ag Handling and Storage 	
from all waterco with local, provi Precautions for Obtain special dust/fume/gas/n only outdoors o	purses. Do not flush down storm or sanitary sewer incial and federal regulations. Section 7 r safe handling instruction before use. Do not handle un nist/vapours/spry. Wash hands/nails/face/eyes tho r in a well ventilated area. Contaminated work cle	Take precautionary measures age Handling and Storage til all safety precautions have broughly after handling. Do not ea othing should not be allowed out of the store of the store of the store of the store of the store of the store of the store of the store of the store of the store of th	e been read and understood Avoid breath at, drink or smoke when using this product. Use
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Melting/freezing point Not available	Partition coefficient - n-octanol/water Not available
Initial boiling point/range Not available	Auto-ignition temperature Not available
Flash point > 100 °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
Reactivity	
Stable under normal conditions.	
Chemical stability	
Yes, Stable under the recommended storage and handling conditions prescribe	ed
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	
Acids, bases, amines, oxidizing agents.	
Hazardous decomposition products	
Decomposition products depend upon temperature, air supply and the prese	ence of other materials. Carbon oxides.
Section 11. Toxicolog	
Information on the likely routes of exposure (inhalation, ingestion, skin	and eye contact)
Harmful if swallowed, dermal or if inhaled. Causes skin irritation. May cau	use an allergic skin reaction. Causes serious eye irritation. Suspected of
causing cancer.	
Symptoms related to the physical, chemical and toxicological character	istics
No specific information available.	
Delayed and immediate effects (chronic effects from short-term and lor	
Skin Sensitization - May cause allergic skin reaction. Respiratory Sensitiza	
Germ Cell Mutagenicity - Animal genetic toxicity studies were negative	
Toxicity Not classified; Specific Target Organ Toxicity - Single Expo	
Exposure – Not classified; Aspiration Hazard – No information available; H	Iealth Hazards Not Otherwise Classified – No data available.
Numerical measures of toxicity (ATE; LD ₅₀ & LC ₅₀)	
CAS 25068-38-6 LD ₅₀ Oral - Rat - > 15,000 mg/kg; LD ₅₀ Dermal - Rabbit	
CAS 2425-79-8 LD ₅₀ Oral - Rat 1134 mg/kg; LD ₅₀ Dermal Rabbit 1130 n	
>5000 mg/kg; LD ₅₀ Dermal Rabbit >1130 mg/kg; LC ₅₀ Inhalation Rat >0 Dermal Rabbit >10,000 mg/kg; ATE not available in this document.	0.09 mg/1 4m. CAS 13403-07-7 LD50 Oral - Kat >3,000 mg/kg, LD50
Section 12. Ecologic	cal Information
Ecotoxicity (aquatic and terrestrial information)	
Toxicity to fish CAS: $25068-38-6$ LC ₅₀ : $1 - 10$ mg/l (in the most sensitiv	e species tested)/ LC ₅₀ 2 mg/l (Oncorhynchus mykiss (rainbow trout).
semi-static test, 96 Hour; CAS 2425-79-8 LC ₅₀ : 24 mg/l (Danio rerio) 96h;	
I UNICITY TO AQUALIC INVELLED FALLS. CAS: 2008-38-0 EC50: 1.8 mg/l (Wa	
magna) 48h. CAS 7631-86-9 EL ₅₀ : >10.000 mg/l (Daphnia magna) 24h; C.	CAS 13463-67-7 LC ₅₀ : >1,000 mg/l (other fish) 96h ater flea (Daphnia magna) 48h; CAS 2425-79-8 EC ₅₀ : 75mg/l (Daphnia AS 13463-67-7 EC ₅₀ : >1.000 mg/l wáter flea (Daphnia magna) 48h
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UN number	; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)		
	NVIRONMENTALLY HAZARDOUS SUBSTANCE, DOUGH, N.O.S. (EPOXY RESIN); CLASS: 9; PG: III		
	cautions (transport/conveyance) May also be shipped as a LIMITED QUANTITY in accordance with TDG.		
Environmer	ntal hazards (IMDG or other) Marine Pollutant		
Bulk transp	ort (usually more than 450 L in capacity) None		
	Section 15. Regulatory Information		
Safety/healt	h regulations specifics This product has been classified in accordance with the hazard criteria of the Hazardous Product: Regulations (HPR).		
Environmer	ntal regulations specifics Refer to Section 3 for ingredient(s) of the DSL		
	h/environmental outside regulations specifics		
United States United States California Pr	s OSHA information: This product is regulated according to OSHA (29 CFR). s EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. s TCSA information: Refer to the ingredients listed in Section 3. roposition 65: WARNING This product contains Titanium dioxide (CAS 13463-67-7) known to the State of California to cause her reproductive harm.		
	Section 16. Other Information		
Date of the l	latest revision of the safety data sheet March 10, 2021 - version 02		
References	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu		
Abbreviatio			
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			
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		
information p	t: E4E expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or rovided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the		
product is suit	able for their particular purposes and they assume all risks of their use, handling, and disposal of the product.		



SAFETY DATA SHEET (SDS)

	Section 1. Identification
Product identifier	E4E Gel Patch, Part B (Top Coat Epoxy)
Recommended use and rest	rictions on use Epoxy sealing gel
Initial supplier identifier	PPI Tech, 2700 W. Cumberland Street, Building 5, Lebanon, PA 17042
Emergency telephone numb	per/restriction on use CHEMTREC® 1-800-262-8200
	Section 2. Hazard Identification
Classification of hazardous	product (name of the category or subcategory of the hazard class)
Reproductive toxicity (Catego Reproductive toxicity, effects Hazardous to the aquatic envir	nd inhalation (Category 4) egory 1) 1) egory 1) , single exposure; respiratory tract irritation (Category 3)
Information elements (symb	bols, signal words, hazard statements and precautionary statements of the category/subcategory)



Warning

H227 Combustible liquid H302+H312 + H332 Harmful if swallowed, in contact with skin or if inhaled H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H360 May damage fertility or the unborn child H362 May cause harm to breast-fed children H401 Toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects Prevention

P201 Obtain special instructions 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 P260+P261 Do not/Avoid breathing dust/fume/ gas / mist/ vapors/ spray. P263 Avoid contact during pregnancy and while nursing P264 Wash hands/nails/face/eyes 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 P284 (In case of inadequate ventilation) wear respiratory protection.

Response

IF SWALLOWED: P301 + P312 Immediately 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 doctor if you feel unwell. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN/ OR HAIR: P303 + P361 + P353 Take off immediately all contaminated clothing. Wash with plenty of 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 doctor 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. P310 Immediately call a POISON CENTER or a doctor.

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 ENVIRONMENT P391 Collect spillage



Storage P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.			
Disposal P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.			
Other hazards		ince with local, regional or national regulations.	
Other nazarus		ition/Information on Ingredients	
Chamical name	e (common name/synonyms)	CAS number or other	Concentration (%)*
Benzyl alcohol	e (common name/synonyms)	100-51-6	10 - 20%
	s(Mathulamina)	1477-55-0	5-15%
M-Phenylenebis(Methylamine) 1477-55-0 5 - 15 % Isophorone Diamine 2855-13-2 5 - 15 %			
Trade Secret			
Bisphenol A			
	Bisphenol A 80-05-7 1 - 5 % 2-piperazin-1-ethylamine 140-31-8 3 - 7 %		
	phous Silica (SAS)	7631-86-9	5 - 15 %
	• • • •	(s) instead of the actual concentration(s) considered	
Statement - 11	· · · · · · · · · · · · · · · · · · ·	4. First-Aid Measures	d trade secret(s).
Inhalation		to fresh air and keep comfortable for breathing. I	f not broothing give ortificial
Innalation		el. If symptoms persist, seek medical attention.	i not bleatning, give artificiai
Ingestion	IF SWALLOWED: Immediately call a doctor	. Do NOT induce vomiting. Prevent aspiration of	vomit Rinse mouth thoroughly
ingestion		he victim is rapidly losing consciousness, or is un	
Skin contact		wash immediately with soap and water (20 - 30 n	
Skin contact	occurs: Get medical attention. Wash contamin	ated clothing before reuse. Discard or decontamin	ate footwear before reuse.
Eye contact		several minutes (20 - 30 minutes). Remove conta Get medical attention. Do not attempt to neutraliz	
Most importan	t symptoms and effects (acute or delayed)	Harmful if swallowed, in contact with skin or	
-		burns and eye damage. May cause an allergic sl	kin reaction. Causes serious eye
		damage. May cause allergy or asthma sympto	
	inhaled. May cause respiratory irritation. May damage fertility or the unbe		
	child. May cause harm to breast-fed children.		
Indication of immediate medical attention/special treatment In all cases, call a doctor. Do not forget this document.			
Section 5. Fire-Fighting Measures			
	ls of the hazardous product (hazardous combu	stion products)	
	xides of carbon and phenol.		
	nsuitable extinguishing media		
	Use Carbon dioxide (CO ₂), dry chemical, foam.		
	ive equipment and precautions for fire-fighters		
		er fire area without proper protection. Firefighter	s should wear proper protective
equipment as rec			
Section 6. Accidental Release Measures			
	utions, protective equipment and emergency p		
Evacuate non-er	mergency personnel. Isolate the area and prevent a	access. Control source of the leak. Ensure clean-u	p 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		
		. An equipment used when handling the product in	lust de grounded. Do not touen
	or walk through spilled material. Methods and materials for containment and cleaning up		
		Spill should be contained with inert material and	disposed into suitable retaining
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			
		safety precautions have been read and understo	od. Keep away from heat, hot
		noking. Do not/Avoid breathing dust/fume/gas/m	
during pregnand	cy and while nursing Wash hands/nails/face/eyes	thoroughly after handling. Do not eat, drink or s	moke when using this product.
		vork clothing should not be allowed out of the v	
		on/face protection. (In case of inadequate ventilati	on) wear respiratory protection.
	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			

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 labeled and not



Definition Section 8. Exposure Controls/Personal Protection Control parameters (biological limit values or exposure limit values and source of hose values) Exposure limit values of the value value of the value o	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.				
Control parameters (biological limit rates or exposure limit rates and source of those value) Exposure limits: CCAH T LIV: VM CA CA 1477-550- IV: An ora valuable, (II. mg/m) STEL: (CAS 1477-550-0. II. mg/m) ZCAS 7631-86-9 ACGIH - TLV-TWA No information available OSIIA 20 mppcif TWA; 80 (%SiO2) mg/m TWA; NIOSII 6 mg/m TWA. Appropriate cangineering controls Use product in well-ventilated areas. Do not spiny the product, Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergences safety/quick-drench shower, even shot and and wshing facilities valiable 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: Neopremoleves or equivalent; Clohing: Shiris with long sleeves, long parts; Respiratory: Not required if working area is well ventilated. Use and honding of this protect. Protocognize after values. Section 9. Physical and Chemical Properties Appearance, physical state/colour Duogh Wapour pressure Not available Oburr threshold Not available Not available PH 8 - 11 Solubility Not available Not available Oburr threshold Not available Partition coefficient - no-ctanol/water Not available PH 8 - 11 Solubility Not available Partition coefficie					
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Numerical measures of toxicity (ATE; LD50 & LC50)CAS 100-51-6 LD50 Oral – Rat 1230 mg/kg; LD50 Dermal – Rabbit 2000 mg/kg; LC50 Inhalation – Mouse 5620 ppm 1hr/500 mg/m³; CAS 1477-					
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$1 \text{ 55-0 LD}_{50} \text{ Oral} - \text{Kat 930 mg/kg; LD}_{50} \text{ Dermal} - \text{Kabbit 2000 mg/kg; LC}_{50} \text{ Inhalation - Kat 700 ppm Ihr; CAS 2855-13-2 LD}_{50} \text{ Oral - Kat 1030}$					
maller ID Dormal Debut 1000 maller IC Inholation Not available (Trade Count' ID Oral Det 1(00 maller ID Dormal Debut					
mg/kg; LD ₅₀ Dermal – Rabbit 1800 mg/kg; LC ₅₀ Inhalation Not available; 'Trade Secret' LD ₅₀ Oral - Rat - 1620 mg/kg; LD ₅₀ Dermal – Rabbit 2000 mg/kg; LC ₅₀ Inhalation Not available; CAS 80-05-7 LD ₅₀ Oral - Rat - 3250 mg/kg; LD ₅₀ Dermal – Rabbit 3000 mg/kg; LC ₅₀ Inhalation Not					



available; CAS	140-31-8 LD ₅₀ Oral - Rat - 2140 mg/kg; LD ₅₀ Dermal – Rabbit 800 mg/kg; LC ₅₀ Inhalation Not available; CAS 7631-86-9 LD ₅₀
	0 mg/kg; LD ₅₀ Dermal Rabbit >2000 mg/kg; LC ₅₀ Inhalation Rat >0.69 mg/l 4h; ATE not available in this document.
	Section 12. Ecological Information
	uatic and terrestrial information)
	AS:100-51-6: LC50: > 10 mg/L Bluegill (lepomis macrochirus) 96h; CAS:1477-55-0: LC50: 75 mg/L (Golden orfe,) 96h; CAS: 110 ms/L (Lepomis macrochirus) 96h; CAS: 100 ms/L (Lepomis macrochirus) 96h; CAS:
	0: 110 mg/L (Leuciscus idus), 96h; CAS: 7631-86-9: LC50: >10.000 mg/L (Brachydanio rerio) 96h. xicity CAS: 100-51-6: EC50: 230 mg/L (Daphnia magna) 48h; CAS:1477-55-0: 15.2 mg/L (Daphnia magna) 48h; CAS: 2855-13-
	L (Daphnia magna) 48h; CAS: 7631-86-9: EL50: > 10.000 mg/L (Daphnia magna) 24h.
	and Algae toxicity CAS: 100-51-6: EC50: 770 mg/L (Pseudokirchneriella subcapita)72h; CAS: 1477-55-0: EC50: 33.3 mg/L
	pricornutum,72h; CAS: 2855-13-2: EC50: > 50 mg/L (Scenedesmus subspicatus),72h; CAS: 7631-86-9: EL50: >10.000 mg/L
	ubspicatus) 72h.
Persistence and	I degradabilityCAS:100-51-6: Readily biodegradable, 92-96% after 14 days.; CAS: 1477-55-0 Not readily biodegradable.49% after 28 days; CAS: 2855-13-2: Not readily biodegradable (8% after 28 days);
Bioaccumulativ	re potential CAS: 1477-55-0: Not bioaccumulate (BCF: < 2.7)
Mobility in soil	
Other adverse	
	Section 13. Disposal Considerations
	safe handling for disposal/methods of disposal/contaminated packaging
Dispose of conte	ents/container into safe container in accordance with local, regional or national regulations.
	Section 14. Transport Information
	roper shipping name; Class(es); Packing group (PG) of the TDG Regulations
PG: III	ROSIVE DOUGH BASIC ORGANIC, N.O.S. (Trade secret, Aminoethylpiperazine, Epoxy resin-Benzyl alcohol);; CLASS: 8;
	roper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)
PG: III	ROSIVE DOUGH BASIC ORGANIC, N.O.S. (Trade secret, Aminoethylpiperazine, Epoxy resin-Benzyl alcohol);; CLASS: 8;
	roper shipping name; Class(es); Packing group (PG) of the IATA (air)
UN 3267; COR PG: III	ROSIVE DOUGH BASIC ORGANIC, N.O.S. (Trade secret, Aminoethylpiperazine, Epoxy resin-Benzyl alcohol);; CLASS: 8;
	tions (transport/conveyance) Can be shipped as LIMITED QUANTITY according to TDG.
	hazards (IMDG or other) Marine Pollutant
Bulk transport	(usually more than 450 L in capacity) None
	Section 15. Regulatory Information
Safety/health r	egulations specifics This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
	regulations specifics Refer to Section 3 for ingredient(s) of the DSL
	nvironmental outside regulations specifics
information: 40 ingredients liste	SHA information: This product is regulated according to OSHA (29 CFR). United States EPA (Environmental Protection Agency) CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. United States TCSA information :Refer to the d in Section 3. California Proposition 65: This product does not contain an ingredient known to the State of California to cause reproductive harm.
	Section 16. Other Information
Date of the late	st revision of the safety data sheet March 10, 2021 - 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 NIOSH	Lethal Dosage National Institute for Occupational Safety and Health
NIOSH NTP	National Institute for Occupational Safety and Health 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	
DISCLAMER:	E4E expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or	
information prov	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	le for their particular purposes and they assume all risks of their use, handling, and disposal of the product.	