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## **SECTION 1. IDENTIFICATION**

Product name	:	Sikadur <sup>®</sup> -42 Grout Pak LE CA Part A	
Other means of identification	:	No data available	
Company name	:	601, avenue Delmar Canada Pointe-Claire, QC H9R 4A9 Sika Canada Inc. www.sika.ca	
Telephone	:	(514) 697-2610 / 1 (800) 933-7452	
Telefax	:	(514) 694-2792	
E-mail address	:	ehs@ca.sika.com	
Emergency telephone	:	CANUTEC (collect) (613) 996-6666 (24 hours)	
Recommended use of the chemical and restrictions on use	:	For further information, refer to product data sheet.	

# **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the Hazardous Products Regulations Skin irritation : Category 2			
Eye irritation	:	Category 2A	
Skin sensitization	:	Sub-category 1A	
GHS label elements Hazard pictograms	:		
Signal Word	:	Warning	
Hazard Statements	:	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.	
Precautionary Statements	:	<b>Prevention:</b> P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace.	

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P280 Wear protective gloves/ eye protection/ face protection.

#### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/

attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### **Additional Labeling**

There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

## Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Classification	Concentra- tion (% w/w)
bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Skin Sens. 1; H317	>= 80 - <= 100
Solvent naphtha (petroleum), heavy arom.	64742-94-5	Flam. Liq. 4; H227 STOT SE 3; H336 Asp. Tox. 1; H304	>= 5 - < 10
[[(2-ethylhexyl)oxy]methyl]oxirane	2461-15-6	Skin Irrit. 2; H315 Skin Sens. 1A; H317	>= 1 - < 5

Actual concentration or concentration range is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attend- ance.
If inhaled	:	Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

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	If symptoms persist, call a physician.
In case of eye contact	<ul> <li>Immediately flush eye(s) with plenty of water.</li> <li>Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a specialist.</li> </ul>
If swallowed	<ul> <li>Clean mouth with water and drink afterwards plenty of water.</li> <li>Do not induce vomiting without medical advice.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person.</li> <li>Obtain medical attention.</li> </ul>
Most important symptoms and effects, both acute and delayed	<ul> <li>irritant effects         sensitizing effects         Allergic reactions         Excessive lachrymation         Erythema         Dermatitis         Causes skin irritation.         May cause an allergic skin reaction.         Causes serious eye irritation.</li> </ul>
Notes to physician	: Treat symptomatically.

## **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

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## SECTION 7. HANDLING AND STORAGE

Advice on protection against : fire and explosion	Normal measures for preventive fire protection.	
Advice on safe handling :	<ul> <li>Avoid exceeding the given occupational exposure limits (see section 8).</li> <li>Do not get in eyes, on skin, or on clothing.</li> <li>For personal protection see section 8.</li> <li>Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>Follow standard hygiene measures when handling chemical products.</li> </ul>	
Conditions for safe storage :	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.	

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures	: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use pro- cess enclosures, local exhaust ventilation or other engineer- ing controls to keep worker exposure below any recommend- ed or statutory limits.		
Personal protective equipme	nt		
Respiratory protection	: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.		
	The filter class for the respirator must be suitable for the max- imum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when han- dling the product. If this concentration is exceeded, self- contained breathing apparatus must be used.		
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.		
Eye protection	: Safety eyewear complying with an approved standard should		
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		be used when a risk assessment indicates this is necessary.
Skin and body protection	:	Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific work-place.
Hygiene measures	:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	clear, straw-like
Odor	:	aromatic
Odor Threshold	:	No data available
рН	:	Not applicable
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 100 °C (> 212 °F) (Method: closed cup)
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	10 hpa
Relative vapor density	:	No data available
Density	:	ca. 1.10 g/cm3 (23 °C (73 °F))
Solubility(ies) Water solubility	:	insoluble
Solubility in other solvents	:	No data available

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Partition coefficient: n- octanol/water Autoignition temperature	:	No data available No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm2/s ( 40 °C (104 °F))
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Volatile organic compounds (VOC) content	:	22 g/l A+B+C Combined

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reac- tions	:	Stable under recommended storage conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	No data available
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

# SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

# Components:

## bisphenol-A-(epichlorhydrin) epoxy resin:

Acute oral toxicity	:	LD50 Oral (Rat): > 5,000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 20,000 mg/kg

### Skin corrosion/irritation

Causes skin irritation.

## Serious eye damage/eye irritation

Causes serious eye irritation.

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### Respiratory or skin sensitization

### Skin sensitization

May cause an allergic skin reaction.

### **Respiratory sensitization**

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information. IARC Not applicable

**OSHA** Not applicable

NTP Not applicable

#### **Reproductive toxicity**

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

#### Aspiration toxicity

Not classified based on available information.

## SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

#### **Components:**

#### bisphenol-A-(epichlorhydrin) epoxy resin:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1.8 mg/l Exposure time: 48 h

#### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

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### Other adverse effects

## Product:

Additional ecological infor- mation	<ul> <li>Do not empty into drains; dispose of this material and its container in a safe way.</li> <li>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</li> <li>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>May be harmful to the environment if released in large quantities.</li> <li>Water polluting material.</li> </ul>

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

<b>IATA-DGR</b> UN/ID No.	•	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passen- ger aircraft)	:	964
IMDG-Code		
UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
Class	:	9
Packing group	:	
Labels	:	9
EmS Code	:	F-A, S-F
Marine pollutant	:	yes

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## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### **Domestic regulation**

### TDG

Not regulated as a dangerous good

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### **SECTION 15. REGULATORY INFORMATION**

#### **Canadian lists**

The following substance(s) is/are subject to a Significant New Activity Notification: Oxirane, (chloromethyl)- Epichlorohydrin 106-89-8

### SECTION 16. OTHER INFORMATION

## Full text of other abbreviations

ADR CAS DNEL EC50 GHS IATA IMDG LD50		Accord européen relatif au transport international des mar- chandises Dangereuses par Route Chemical Abstracts Service Derived no-effect level Half maximal effective concentration Globally Harmonized System International Air Transport Association International Maritime Code for Dangerous Goods Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50	:	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	:	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL	:	Occupational Exposure Limit
PBT	:	Persistent, bioaccumulative and toxic
PNEC	:	Predicted no effect concentration
REACH	:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency
SVHC	:	Substances of Very High Concern
vPvB	:	Very persistent and very bioaccumulative

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Prepared by	: R & D of Sika Canada Inc.
Material number	: 459,310

CA / Z8

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## **SECTION 1. IDENTIFICATION**

Product name	:	Sikadur <sup>®</sup> -42 Grout Pak LE CA Part B
Other means of identification	:	No data available
Company name	:	601, avenue Delmar Canada Pointe-Claire, QC H9R 4A9 Sika Canada Inc. www.sika.ca
Telephone	:	(514) 697-2610 / 1 (800) 933-7452
Telefax	:	(514) 694-2792
E-mail address	:	ehs@ca.sika.com
Emergency telephone	:	CANUTEC (collect) (613) 996-6666 (24 hours)
Recommended use of the chemical and restrictions on use	:	For further information, refer to product data sheet.

# **SECTION 2. HAZARDS IDENTIFICATION**

<b>GHS classification in accor</b> Acute toxicity (Oral)	dan :	ce with the Hazardous Products Regulations Category 4
Skin corrosion	:	Category 1B
Serious eye damage	:	Category 1
Skin sensitization	:	Sub-category 1A
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.
Precautionary Statements	:	<b>Prevention:</b> P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling.

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P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### **Additional Labeling**

There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

```
Mixture
```

#### Components

Chemical name	CAS-No.	Classification	Concentra-
			tion (% w/w)
Isophoronediamine	2855-13-2	Acute Tox. 4; H302	>= 30 - < 60
		Skin Corr. 1B; H314	
		Eye Dam. 1; H318	
		Skin Sens. 1A; H317	
Tall oil acids, triethylenetetramine	68919-79-9	Skin Irrit. 2; H315	>= 10 - < 30
condensate		Eye Irrit. 2A; H319	
		Skin Sens. 1; H317	
Benzyl alcohol	100-51-6	Acute Tox. 4; H302	>= 10 - < 30
		Acute Tox. 4; H332	



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1		Eye Irrit. 2A; H319	
Modified Bisphenol A epoxy resin, proprietary	Not Assigned	Skin Irrit. 2; H315 Eye Irrit. 2A; H319 Skin Sens. 1; H317	>= 5 - < 10
triethylenetetramine	112-24-3	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 1 - < 5

Actual concentration or concentration range is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attend- ance.
If inhaled	:	Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficul- ty.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tis- sue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	Health injuries may be delayed. corrosive effects sensitizing effects Gastrointestinal discomfort Allergic reactions Dermatitis Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. Causes severe burns.
Notes to physician	:	Treat symptomatically.



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### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions :	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	<ul> <li>Avoid exceeding the given occupational exposure limits (see section 8).</li> <li>Do not get in eyes, on skin, or on clothing.</li> <li>For personal protection see section 8.</li> <li>Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>Follow standard hygiene measures when handling chemical products.</li> </ul>
Conditions for safe storage	:	Store in original container. Keep container tightly closed in a dry and well-ventilated place.



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	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.
Materials to avoid	Explosives Oxidizing agents Poisonous gases Dangerous when wet Flammable solids Organic peroxides Poisonous liquids Spontaneously Combustible Substances

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Ingredients with workplace control parameters

Ingredients with workplace control parameters						
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis		
triethylenetetramine	112-24-3	TWA	0.5 ppm 3 mg/m3	CA ON OEL		
Engineering measures :	worker expos product gener cess enclosur ing controls to	Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use pro- cess enclosures, local exhaust ventilation or other engineer- ing controls to keep worker exposure below any recommend- ed or statutory limits.				
Personal protective equipment	t					
Respiratory protection :	Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary.					
	The filter class for the respirator must be suitable for the max- imum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when han- dling the product. If this concentration is exceeded, self- contained breathing apparatus must be used.					
Hand protection :	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.					
Eye protection :		Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.				
Skin and body protection :		nount of dangero	ation to its type, to the			

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Hygiene measures	<ul> <li>Avoid contact with skin, eyes and clothing.</li> <li>Wash hands before breaks and immediately after handling the product.</li> </ul>
	Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	amber
Odor	:	amine-like
Odor Threshold	:	No data available
рН	:	Not applicable
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 100 °C (> 212 °F) (Method: closed cup)
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	0.07 hpa
Relative vapor density	:	No data available
Density	:	ca. 0.98 g/cm3 (23 °C (73 °F))
Solubility(ies) Water solubility	:	soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-		No data available
octanol/water Autoignition temperature	:	No data available
Decomposition temperature	:	No data available

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Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm2/s ( 40 °C (104 °F))
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Volatile organic compounds (VOC) content	:	22 g/l A+B+C Combined

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reac- tions	:	Stable under recommended storage conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	No data available
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

# SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity Harmful if swallowed. <u>Components:</u>		
Isophoronediamine:		
Acute oral toxicity	:	LD50 Oral (Rat): 1,030 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rabbit): > 2,000 - 5,000 mg/kg
Benzyl alcohol:		
Acute oral toxicity	:	LD50 Oral (Rat): 1,620 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 4.178 mg/l Exposure time: 4 h Test atmosphere: dust/mist

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	triethylenetet	ramine:							
	Acute oral toxi	city	:	LD50 Oral (Rat): 1,716 mg/kg					
	Acute dermal t	oxicity	:	LD50 Dermal (Rabbit): 1,465 mg/kg					
	Skin corrosio Causes severe								
	-	a <b>mage/eye irrita</b> s eye damage.	ati	on					
	Respiratory or skin sensitization								
	<b>Skin sensitiza</b> May cause an	<b>ation</b> allergic skin reac	ctic	n.					
	Respiratory s	ensitization							
	Not classified l	based on availab	le	information.					
	Germ cell mut Not classified b	<b>tagenicity</b> based on availab	le	information.					
	Carcinogenic	ity							
	-	based on availab Not applicable	le	information.					
	OSHA	Not applicable							
	NTP	Not applicable							
	Reproductive	<b>toxicity</b> based on availab	le	information.					
	STOT-single	exposure							
	Not classified I	based on availab	le	information.					
	<b>STOT-repeated exposure</b> Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.								
	Aspiration toxicity								
_	Not classified I	based on availab	le	information.					
SEC	CTION 12. ECO	LOGICAL INFO	RN	IATION					
	Ecotoxicity								
	Components:								
	Isophoronedi	amine:							
	Toxicity to alga plants	ae/aquatic	:	ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l					

NOEC (Desmodesmus subspicatus (green algae)): 1.5 mg/l

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Benzyl alcohol:		
Toxicity to fish	:	LC50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
triethylenetetramine:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia): 10 - 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 10 - 100 mg/l Exposure time: 72 h
Persistence and degradabili	ity	
No data available		
No data available <b>Bioaccumulative potential</b> No data available		
Bioaccumulative potential		
Bioaccumulative potential No data available Mobility in soil		
<b>Bioaccumulative potential</b> No data available <b>Mobility in soil</b> No data available		

# SECTION 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods</b> Waste from residues	:	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

## **SECTION 14. TRANSPORT INFORMATION**

## International Regulations

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IATA-DGR		
UN/ID No.	:	UN 3267
Proper shipping name	:	Corrosive liquid, basic, organic, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 3,6- diazaoctanethylenediamin)
Class	:	8
Packing group	:	
Labels	:	Corrosive
Packing instruction (cargo aircraft)	:	855
Packing instruction (passen- ger aircraft)	:	851
IMDG-Code		
UN number	:	UN 3267
Proper shipping name	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 3,6- diazaoctanethylenediamin)
Class	:	8
Packing group	:	
Labels	:	8
EmS Code	:	F-A, S-B
Marine pollutant	:	no
Tropoport in bulk according	. +~	Annox II of MARROL 72/79 and the IRC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### **Domestic regulation**

TDG		
UN number	:	UN 3267
Proper shipping name	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 3,6- diazaoctanethylenediamin)
Class	:	8
Packing group	:	
Labels	:	8
ERG Code	:	153
Marine pollutant	:	no

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### **SECTION 15. REGULATORY INFORMATION**

### **Canadian lists**

The following substance(s) is/are subject to a Significant New Activity Notification:  $\alpha$ -chlorotoluene 100-44-7

Revision Date 04/03/2023



### **SECTION 16. OTHER INFORMATION**

Full text of other abbreviations	6
CA ON OEL :	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA ON OEL / TWA :	Time-Weighted Average Limit (TWA)
ADR :	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS :	Chemical Abstracts Service
DNEL :	Derived no-effect level
EC50 :	Half maximal effective concentration
GHS :	Globally Harmonized System
IATA :	International Air Transport Association
IMDG :	International Maritime Code for Dangerous Goods
LD50 :	Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50 :	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL :	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL :	Occupational Exposure Limit
PBT :	Persistent, bioaccumulative and toxic
PNEC :	Predicted no effect concentration
REACH :	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals Agency
SVHC :	Substances of Very High Concern
vPvB :	Very persistent and very bioaccumulative

### Notice to Reader:

The information contained in this Material Safety Data Sheet applies only to the actual Sika Canada product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Material Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed.

SIKA MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

### Revision Date 04/03/2023

All sales of Sika products are subject to its current terms and conditions of sale available at www.sika.ca or 514-697-2610.

Revision Date Date format	: 04/03/2023 : mm/dd/yyyy
Prepared by	: R & D of Sika Canada Inc.
Material number	: 459,299

CA / Z8



Revision Date 04/03/2023



## **SECTION 1. IDENTIFICATION**

Product name	:	Sikadur <sup>®</sup> -42 Grout Pak LE CA Part C
Other means of identification	:	No data available
Company name	:	601, avenue Delmar Canada Pointe-Claire, QC H9R 4A9 Sika Canada Inc. www.sika.ca
Telephone	:	(514) 697-2610 / 1 (800) 933-7452
Telefax	:	(514) 694-2792
E-mail address	:	ehs@ca.sika.com
Emergency telephone	:	CANUTEC (collect) (613) 996-6666 (24 hours)
Recommended use of the chemical and restrictions on use	:	For further information, refer to product data sheet.

# **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the Hazardous Products Regulations Carcinogenicity (Inhalation) : Category 1A			
Specific target organ toxicity - single exposure	:	Category 3 (Respiratory system)	
Specific target organ toxicity - repeated exposure	:	Category 1 (Lungs)	
GHS label elements			
Hazard pictograms	:		
Signal Word	:	Danger	
Hazard Statements	:	H335 May cause respiratory irritation. H350 May cause cancer by inhalation. H372 Causes damage to organs (Lungs) through prolonged or repeated exposure.	
Precautionary Statements	:	<b>Prevention:</b> P201 Obtain special instructions before use.	

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P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### **Response:**

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

### Storage:

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

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Additional Labeling

There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
---------------------	---	---------

Components

Chemical name	CAS-No.	Classification	Concentra- tion (% w/w)
Quartz (SiO2) >5µm	14808-60-7	Carc. 1A; H350 STOT RE 1; H372 STOT SE 3; H335	>= 60 - < 80

Actual concentration or concentration range is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attend- ance.
If inhaled	:	Move to fresh air. Consult a physician after significant exposure.

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In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	:	Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	irritant effects Cough Respiratory disorder May cause respiratory irritation. May cause cancer by inhalation. Causes damage to organs through prolonged or repeated exposure.
Notes to physician	:	Treat symptomatically.

# **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.

# SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Use personal protective equipment. Avoid breathing dust. Deny access to unprotected persons.
Environmental precautions :	Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

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# SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	:	<ul> <li>Avoid formation of respirable particles.</li> <li>Avoid exceeding the given occupational exposure limits (see section 8).</li> <li>Do not get in eyes, on skin, or on clothing.</li> <li>For personal protection see section 8.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>Follow standard hygiene measures when handling chemical products.</li> </ul>
Conditions for safe storage	:	Store in original container. Keep in a well-ventilated place. Observe label precautions. Store in accordance with local regulations.
Further information on stor- age stability	:	Keep in a dry place. No decomposition if stored and applied as directed.

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Quartz (SiO2) >5µm	14808-60-7	TWA (Res- pirable par- ticulates)	0.025 mg/m3	CA AB OEL
		TWA (Res- pirable frac- tion)	0.1 mg/m3	CA ON OEL
		TWAEV (respirable dust)	0.1 mg/m3	CA QC OEL
		TWA (Res- pirable)	0.025 mg/m3 (Silica)	CA BC OEL
		TWA (Res- pirable)	0.025 mg/m3	CA BC OEL
		TWA (Res- pirable)	0.025 mg/m3 (Silica)	CA BC OEL
		TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat-	0.025 mg/m3 (Silica)	ACGIH

### Ingredients with workplace control parameters



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	l l	ter)	1	1		
		TWA (Res- pirable par- ticulate mat-	0.025 mg/m3	ACGIH		
		ter) TWA (Res- pirable par-	0.025 mg/m3 (Silica)	ACGIH		
		ticulate mat- ter)	(Sinca)			
barium sulfate	7727-43-7	TWA	10 mg/m3	CA AB OEL		
		TWA (Inhal- able)	5 mg/m3	CA BC OEL		
		TWAEV (in- halable dust)	5 mg/m3	CA QC OEL		
		TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH		
glass, oxide, chemicals	65997-17-3	TWA (fibers)	1 fibres per cubic centimeter	ACGIH		
		TWA (fibers)	1 fibres per cubic centimeter	ACGIH		
aluminium oxide	1344-28-1	TWA	10 mg/m3	CA AB OEL		
		TWAEV (to- tal dust)	10 mg/m3 (Aluminum)	CA QC OEL		
		TWA (Res- pirable)	1 mg/m3 (Aluminum)	CA BC OEL		
		TWA (Res- pirable par- ticulate mat- ter)	1 mg/m3 (Aluminum)	ACGIH		
Engineering measures	worker expose product gene cess enclosu ing controls t	Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use pro- cess enclosures, local exhaust ventilation or other engineer- ing controls to keep worker exposure below any recommend- ed or statutory limits.				
Personal protective equipm	ent					
Respiratory protection	respirator co	Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary.				
	imum expect (gas/vapor/a dling the pro	ed contaminant of erosol/particulate	es) that may arise wh entration is exceeded	en han-		
Hand protection	approved sta	indard should be	us gloves complying v worn at all times who sessment indicates th	en handling		

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Eye protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection	:	Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific work-place.
Hygiene measures	:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Avoid breathing dust.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	gray
Odor	:	odorless
Odor Threshold	:	No data available
рН	:	Not applicable
Melting point/range / Freezing	:	No data available
point Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	ca. 2.65 g/cm3 (23 °C (73 °F))
Solubility(ies) Water solubility	:	insoluble
Solubility in other solvents	:	No data available

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Partition coefficient: n- octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		<b>.</b>
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm2/s ( 40 °C (104 °F)) Not applicable
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Volatile organic compounds (VOC) content	:	22 g/l A+B+C Combined

# SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reac- tions	:	Stable under recommended storage conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	No data available
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

Not classified based on available information.

### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

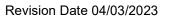
### Respiratory or skin sensitization

### Skin sensitization

Not classified based on available information.

### **Respiratory sensitization**

Not classified based on available information.



Germ cell mutagenicity



jjjjj	···· <b>y</b>
Not classified based	on available information.

Carcinogenicity	,
ouromogement	,

May cause cancer by inhalation.				
IARC	Group 1: Carcinogenic to humans Quartz (SiO2) >5µm (Silica dust, crystalline)	14808-60-7		
	Group 2B: Possibly carcinogenic to humans Titanium dioxide	13463-67-7		
OSHA	OSHA specifically regulated carcinogen Quartz (SiO2) >5µm (crystalline silica)	14808-60-7		
NTP	Known to be human carcinogen Quartz (SiO2) >5µm (Silica, Crystalline (Respirable Size))	14808-60-7		

### **Reproductive toxicity**

Not classified based on available information.

#### STOT-single exposure

May cause respiratory irritation.

#### STOT-repeated exposure

Causes damage to organs (Lungs) through prolonged or repeated exposure. Prolonged exposure can cause silicosis.

### Aspiration toxicity

Not classified based on available information.

### **Further information**

#### Product:

Quartz (14808-60-7): This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

### SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
No data available		
Persistence and degradability		
No data available		
Bioaccumulative potential		
No data available		
Mobility in soil		
No data available		

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### Other adverse effects

### Product:

Additional ecological infor-	:	Do not empty into drains; dispose of this material and its con-
mation		tainer in a safe way.

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

### **SECTION 14. TRANSPORT INFORMATION**

### **International Regulations**

### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

# **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable for product as supplied.

### **Domestic regulation**

TDG

Not regulated as a dangerous good

### SECTION 15. REGULATORY INFORMATION

#### **Canadian lists**

No substances are subject to a Significant New Activity Notification.

### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table
		2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA ON OEL	:	Ontario Table of Occupational Exposure Limits made under
		the Occupational Health and Safety Act.

Revision Date 04/03/2023



ADR: Accord européen relatif au transport international des marchandises Dangereuses par RouteCAS: Chemical Abstracts ServiceDNEL: Derived no-effect levelEC50: Half maximal effective concentrationGHS: Globally Harmonized SystemIATA: International Air Transport AssociationIMDG: International Maritime Code for Dangerous GoodsLD50: Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)LC50: Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)MARPOL: International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978OEL: Occupational Exposure LimitPBT: Predicted no effect concentration and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals AgencySVHC: Substances of Very High Concern vPvBvPvB: Very persistent and very bioaccumulative	CA QC OEL ACGIH / TWA CA AB OEL / TWA CA BC OEL / TWA CA ON OEL / TWA CA QC OEL / TWAEV	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants 8-hour, time-weighted average 8-hour Occupational exposure limit 8-hour time weighted average Time-Weighted Average Limit (TWA) Time-weighted average exposure value
CAS:Chemical Abstracts ServiceDNEL:Derived no-effect levelEC50:Half maximal effective concentrationGHS:Globally Harmonized SystemIATA:International Air Transport AssociationIMDG:International Maritime Code for Dangerous GoodsLD50:Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)LC50:Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)MARPOL:International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978OEL:Occupational Exposure LimitPBT:Presistent, bioaccumulative and toxicPNEC:Predicted no effect concentration and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi- cals (REACH), establishing a European Chemicals AgencySVHC:Substances of Very High Concern	ADR	:	
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SVHC : Substances of Very High Concern	REACH	:	and of the Council of 18 December 2006 concerning the Reg- istration, Evaluation, Authorisation and Restriction of Chemi-
vPvB : Very persistent and very bioaccumulative	SVHC	:	Substances of Very High Concern
	vPvB	:	Very persistent and very bioaccumulative

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