Jika®

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SECTION 1. IDENTIFICATION

Product name : Sikalastic®-621 TC

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

Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Respiratory sensitization : Category 1

Skin sensitization : Sub-category 1A

Carcinogenicity (Inhalation) : Category 1A

Reproductive toxicity : Category 1B

GHS label elements

Hazard pictograms







Signal Word : Danger



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Hazard Statements : H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing diffi-

culties if inhaled.

H350 May cause cancer by inhalation.

H360 May damage fertility or the unborn child.

Precautionary Statements

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.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equip-

ment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing mist or vapors.

P264 Wash skin thoroughly after handling.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

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

P284 In case of inadequate ventilation wear respiratory protection.

Response:

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

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

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

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

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

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.



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Storage:

P403 + P235 Store in a well-ventilated place. Keep cool. 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)
2-methoxy-1-methylethyl acetate	108-65-6	Flam. Liq. 3; H226	>= 10 - < 30
		STOT SE 3; H336	
Bis[2-[2-(1-methylethyl)-3-	59719-67-4	Eye Irrit. 2A; H319	>= 5 - < 10
oxazolidinyl]ethyl]hexane- 1,2-		Skin Sens. 1B; H317	
diylbiscarbamate			
3-isocyanatomethyl-3,5,5-	4098-71-9	Acute Tox. 1; H330	>= 1 - < 5
trimethylcyclohexyl isocyanate		Skin Corr. 1C; H314	
		Eye Dam. 1; H318	
		Resp. Sens. 1; H334	
		Skin Sens. 1; H317	
		STOT SE 3; H335	
Isophorondiisocyanate homopoly-	53880-05-0	Skin Sens. 1B; H317	>= 1 - < 5
mer		STOT SE 3; H335	
dimethyl propylphosphonate	18755-43-6	Eye Irrit. 2A; H319	>= 1 - < 5
		Repr. 1B; H360	
tris(methylphenyl) phosphate	1330-78-5	Repr. 2; H361	>= 0.1 - < 1
N-methyl-2-pyrrolidone	872-50-4	Skin Irrit. 2; H315	>= 0.1 - < 1
		Eye Irrit. 2A; H319	
		Repr. 1B; H360	
		STOT SE 3; H335	
Pentamethyl piperidylsebacate	41556-26-7	Skin Sens. 1A; H317	>= 0.1 - < 1
		Repr. 2; H361	
2-ethylhexanoic acid, zirconium salt	22464-99-9	Repr. 2; H361	>= 0.1 - < 1
Quartz (SiO2) >5µm	14808-60-7	Carc. 1A; H350i	>= 0.1 - < 1
		STOT RE 1; H372	
		STOT SE 3; H335	
4,5-dichloro-2-octyl-2H-isothiazol-3-	64359-81-5	Acute Tox. 4; H302	>= 0.1 - < 1
one (DCOIT)		Acute Tox. 2; H330	
		Skin Corr. 1; H314	
		Eye Dam. 1; H318	
		Skin Sens. 1A; H317	

Actual concentration or concentration range is withheld as a trade secret



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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. If symptoms persist, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.

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.

Obtain medical attention.

Most important symptoms and effects, both acute and

delayed

irritant effects sensitizing effects

toxic effects for reproduction

Asthmatic appearance Respiratory disorder Allergic reactions Excessive lachrymation

Erythema Headache Dermatitis

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

May cause allergy or asthma symptoms or breathing difficul-

ties if inhaled.

May cause cancer by inhalation.

May damage fertility or the unborn child.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam

Carbon dioxide (CO2)

Dry chemical



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Unsuitable extinguishing

media

Water

High volume water jet

Specific hazards during fire

fighting

Do not use a solid water stream as it may scatter and spread

Further information Use water spray to cool unopened containers.

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.

for fire-fighters

Special protective equipment : 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. Remove all sources of ignition.

Deny access to unprotected persons.

Beware of vapors accumulating to form explosive concentra-

tions. Vapors can accumulate in low areas.

Environmental precautions

Prevent product from entering drains.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, ver-

miculite) and place in container for disposal according to local

/ national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on protection against :

fire and explosion

Use explosion-proof equipment.

Keep away from heat/ sparks/ open flames/ hot surfaces. No

Take precautionary measures against electrostatic discharg-

es.

Advice on safe handling

Avoid formation of aerosol.

Do not breathe vapors or spray mist.

Avoid exceeding the given occupational exposure limits (see

section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

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



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used.

Smoking, eating and drinking should be prohibited in the application area.

Take precautionary measures against static discharge. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Pregnant women or women of child-bearing age should not be exposed to this product.

Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapors).

Follow standard hygiene measures when handling chemical

products.

Conditions for safe storage : Store in original container.

Keep in a well-ventilated place.

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 Poisonous liquids

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm	CA BC OEL
		STEL	75 ppm	CA BC OEL
		TWA	50 ppm 270 mg/m3	CA ON OEL
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
triphenyl phosphate	115-86-6	TWA	3 mg/m3	CA AB OEL
		TWA	3 mg/m3	CA BC OEL
		TWAEV	3 mg/m3	CA QC OEL
		TWA	3 mg/m3	ACGIH
3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate	4098-71-9	TWA	0.005 ppm 0.05 mg/m3	CA AB OEL
		TWA	0.005 ppm	CA BC OEL



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		l c	0.01 ppm	CA BC OEL
		TWA	0.005 ppm	CA ON OEL
		С	0.02 ppm	CA ON OEL
		TWAEV	0.005 ppm 0.045 mg/m3	CA QC OEL
N-methyl-2-pyrrolidone	872-50-4	TWA	400 mg/m3	CA ON OEL
2-ethylhexanoic acid, zirconium salt	22464-99-9	TWA	5 mg/m3 (As Zr)	CA AB OEL
		STEL	10 mg/m3 (As Zr)	CA AB OEL
		TWAEV	5 mg/m3 (As Zr)	CA QC OEL
		STEV	10 mg/m3 (As Zr)	CA QC OEL
		TWA	5 mg/m3 (Zirconium)	CA BC OEL
		STEL	10 mg/m3 (Zirconium)	CA BC OEL
Quartz (SiO2) >5μm	14808-60-7	TWA (Res- pirable par- ticulates)	0.025 mg/m3	CA AB OEL
		TWA (Respirable fraction)	0.1 mg/m3	CA ON OEL
		TWAEV (respirable dust)	0.1 mg/m3	CA QC OEL
		TWÁ (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 (Respirable particulate matter)	0.025 mg/m3	ACGIH
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
		TWA (Respirable particulate matter)	0.025 mg/m3	ACGIH
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH

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-



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cess enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommend-

ed or statutory limits.

The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protective equipment

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 handling 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 nec-

essary.

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 respiratory and skin/eye protection only after vapors

have been cleared from the area.

Remove contaminated clothing and protective equipment

before entering eating areas. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : various

Odor : ester-like

Odor Threshold : No data available

pH : Not applicable

Melting point/range / Freezing : No data available

point

Boiling point/boiling range : 145 °C (293 °F)



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Flash point ca. 46.1 °C (115.0 °F)

(Method: closed cup)

Evaporation rate No data available

Flammability (solid, gas) No data available

Upper explosion limit / Upper

flammability limit

10.8 %(V)

Lower explosion limit / Lower :

flammability limit

1.5 %(V)

Vapor pressure 3.1 hpa

Relative vapor density No data available

Density ca. 1.44 g/cm3 (20 °C (68 °F))

Solubility(ies)

Water solubility insoluble

Solubility in other solvents No data available

Partition coefficient: n-

octanol/water

No data available

Autoignition temperature

333 °C

Decomposition temperature No data available

Viscosity

Viscosity, dynamic No data available

Viscosity, kinematic ca. $> 20.5 \text{ mm2/s} (40 ^{\circ}\text{C} (104 ^{\circ}\text{F}))$

Explosive properties No data available

Oxidizing properties No data available

Volatile organic compounds

(VOC) content

183 g/l

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. Vapors may form explosive mixture with air.

Conditions to avoid Heat, flames and sparks.

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Incompatible materials : No data available

Hazardous decomposition

products

No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if inhaled.

Components:

2-methoxy-1-methylethyl acetate:

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

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

Bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexane- 1,2-diylbiscarbamate:

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

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate:

Acute oral toxicity : LD50 Oral (Rat): 4,814 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.031 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rat): > 7,000 mg/kg

tris(methylphenyl) phosphate:

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

Acute dermal toxicity : LD50 Dermal (Rabbit): 3,700 mg/kg

N-methyl-2-pyrrolidone:

Acute oral toxicity : LD50 Oral (Rat): 4,150 mg/kg

Acute inhalation toxicity : LC50 (Rat): 5.1 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

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

4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT):

Acute oral toxicity : Acute toxicity estimate: 567 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008



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Acute inhalation toxicity : Acute toxicity estimate: 0.16 mg/l

Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

May cause cancer by inhalation.

IARC Group 1: Carcinogenic to humans

Quartz (SiO2) >5µm 14808-60-7

(Silica dust, crystalline)

Group 2B: Possibly carcinogenic to humans

Titanium dioxide 13463-67-7

Group 2B: Possibly carcinogenic to humans

Carbon black, amorphous 1333-86-4

OSHA OSHA specifically regulated carcinogen

Quartz (SiO2) >5µm 14808-60-7

(crystalline silica)

NTP Known to be human carcinogen

Quartz (SiO2) >5µm 14808-60-7

(Silica, Crystalline (Respirable Size))

Reproductive toxicity

May damage fertility or the unborn child.

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.



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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

Components:

Bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexane- 1,2-diylbiscarbamate:

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 87.1 mg/l

aquatic invertebrates Exposure time: 48 h

EC50 (Scenedesmus capricornutum (fresh water algae)): 18.6 Toxicity to algae/aquatic

plants

Exposure time: 72 h

tris(methylphenyl) phosphate:

4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT):

Toxicity to fish LC50 (Fish): 0.0027 mg/l Exposure time: 96 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological infor-

mation

Do not empty into drains; dispose of this material and its con-

tainer in a safe way.

Avoid dispersal of spilled material and runoff and contact with

soil, waterways, drains and sewers.

Toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

May be harmful to the environment if released in large quanti-

ties.

Water polluting material.



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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

UN/ID No. : UN 1263

Proper shipping name : Paint related material

Class : 3 Packing group : III

Labels : Flammable Liquids

Packing instruction (cargo : 366

aircraft)

Packing instruction (passen-

(passen- : 355

ger aircraft)

IMDG-Code

UN number : UN 1263

Proper shipping name : PAINT RELATED MATERIAL

(bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexane-1,2-

diylbiscarbamate)

Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : yes

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

Not applicable for product as supplied.

Domestic regulation

DOT: As per 49CFR 173.150 (f) Combustible Liquid Exception, Material is Not Regulated.

DOT: As per 49 CFR 171.4, Non-bulk materials (<119 Gal) are exempt from being classified as a

Marine Pollutant.

IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

TDG

UN number : UN 1263

Proper shipping name : PAINT RELATED MATERIAL

Class : 3
Packing group : III
Labels : 3



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ERG Code : 128 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: Bis(2-propylheptyl) phthalate 53306-54-0

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.

CA QC OEL : Québec. Regulation respecting occupational health and safe-

ty, Schedule 1, Part 1: Permissible exposure values for air-

borne contaminants

ACGIH / TWA : 8-hour, time-weighted average
CA AB OEL / TWA : 8-hour Occupational exposure limit
CA AB OEL / STEL : 15-minute occupational exposure limit

CA BC OEL / TWA : 8-hour time weighted average CA BC OEL / STEL : short-term exposure limit

CA BC OEL / C : ceiling limit
CA ON OEL / C : Ceiling Limit (C)

CA ON OEL / TWA : Time-Weighted Average Limit (TWA)
CA QC OEL / TWAEV : Time-weighted average exposure value

CA QC OEL / STEV : Short-term exposure value

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



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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 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

SVHC : Substances of Very High Concern

vPvB : Very persistent and very bioaccumulative

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Revision Date : 09/08/2022 Date format : mm/dd/yyyy

Prepared by : R & D of Sika Canada Inc.

Material number : 405,429

CA / Z8