

**SECTION 1. IDENTIFICATION**

Product name	:	Sikafloor® Duochem-6001 Part B
Other means of identification	:	No data available
Company name	:	www.sika.ca Canada Pointe-Claire, QC H9R 4A9 601, avenue Delmar Sika Canada Inc.
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
Serious eye damage	:	Category 1
Skin sensitization	:	Sub-category 1A

**GHS label elements**

Hazard pictograms	:	
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Signal Word	:	Danger
Hazard Statements	:	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage.
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.

P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.

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.

**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  $\geq 1\%$ .

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Classification	Concentration (% w/w)
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	68082-29-1	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1A; H317	$\geq 30 - < 60$
Benzyl alcohol	100-51-6	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2A; H319	$\geq 10 - < 30$
1-methoxy-2-propanol	107-98-2	Flam. Liq. 3; H226 STOT SE 3; H336	$\geq 10 - < 30$
acetic acid	64-19-7	Flam. Liq. 3; H226 Skin Corr. 1A; H314	$\geq 1 - < 5$
triethylenetetramine	112-24-3	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	$\geq 1 - < 5$
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	Skin Corr. 1C; H314 Eye Dam. 1; H318	$\geq 1 - < 5$

Actual concentration or concentration range is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**



- |                                                             |   |                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice                                              | : | Move out of dangerous area.<br>Consult a physician.<br>Show this material safety data sheet to the doctor in attendance.                                                                                                                                                                                        |
| If inhaled                                                  | : | Move to fresh air.<br>Consult a physician after significant exposure.                                                                                                                                                                                                                                           |
| In case of skin contact                                     | : | Take off contaminated clothing and shoes immediately.<br>Wash off with soap and plenty of water.<br>If symptoms persist, call a physician.                                                                                                                                                                      |
| In case of eye contact                                      | : | Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Keep eye wide open while rinsing. |
| If swallowed                                                | : | Clean mouth with water and drink afterwards plenty of water.<br>Do not induce vomiting without medical advice.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>Obtain medical attention.                                                               |
| Most important symptoms and effects, both acute and delayed | : | irritant effects<br>sensitizing effects<br>Allergic reactions<br>Excessive lachrymation<br>Erythema<br>Dermatitis<br>Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye damage.                                                                                              |
| Notes to physician                                          | : | Treat symptomatically.                                                                                                                                                                                                                                                                                          |

**SECTION 5. FIRE-FIGHTING MEASURES**

- |                                                |   |                                                                                                                                                                                                                         |
|------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                   | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                                                                                 |
| Further information                            | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>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, protective equipment and emergency 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 : 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 used.  
Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.  
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.  
Observe label precautions.  
Store in accordance with local regulations.  
Protect from frost.  
  
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.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis



1-methoxy-2-propanol	107-98-2	STEL	150 ppm 553 mg/m <sup>3</sup>	CA AB OEL
		TWA	100 ppm 369 mg/m <sup>3</sup>	CA AB OEL
		TWA	50 ppm	CA BC OEL
		STEL	100 ppm	CA BC OEL
		TWAEV	100 ppm 369 mg/m <sup>3</sup>	CA QC OEL
		STEV	150 ppm 553 mg/m <sup>3</sup>	CA QC OEL
acetic acid	64-19-7	TWA	10 ppm 25 mg/m <sup>3</sup>	CA AB OEL
		STEL	15 ppm 37 mg/m <sup>3</sup>	CA AB OEL
		TWA	10 ppm	CA BC OEL
		STEL	15 ppm	CA BC OEL
		TWAEV	10 ppm 25 mg/m <sup>3</sup>	CA QC OEL
		STEV	15 ppm 37 mg/m <sup>3</sup>	CA QC OEL
		TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
triethylenetetramine	112-24-3	TWA	0.5 ppm 3 mg/m <sup>3</sup>	CA ON OEL

**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 process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory 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 assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum 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 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** : Choose body protection in relation to its type, to the concentration 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.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : amber

Odor : amine-like

Odor Threshold : No data available

pH : > 8

Melting point/range / Freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 100 °C (212 °F)

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 : 23 hpa

Relative vapor density : No data available

Density : 0.991 g/ml (23 °C (73 °F))

Solubility(ies)

    Water solubility : not determined

    Solubility in other solvents : No data available



Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	not determined
Explosive properties	:	No data available
Oxidizing properties	:	No data available

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**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 reactions	:	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.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Components:****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

**1-methoxy-2-propanol:**

Acute oral toxicity	:	LD50 Oral (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50: 7.5 mg/l Exposure time: 4 h



Test atmosphere: dust/mist

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

**triethylenetetramine:**

Acute oral toxicity : LD50 Oral (Rat): 1,716 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 1,465 mg/kg

**2,4,6-tris(dimethylaminomethyl)phenol:**

Acute oral toxicity : LD50 Oral (Rat): 2,169 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Components:**

**2,4,6-tris(dimethylaminomethyl)phenol:**

Species : Rabbit  
Assessment : Corrosive  
Method : OECD Test Guideline 404

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Components:**

**2,4,6-tris(dimethylaminomethyl)phenol:**

Species : Rabbit  
Assessment : Causes serious eye damage.

**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.

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**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity****Components:****Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine:**

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): 7.07 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 4.34 mg/l  NOEC (Pseudokirchneriella subcapitata (green algae)): 0.5 mg/l
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	EC50 (Daphnia sp. (Water flea)): 7.07 mg/l Exposure time: 48 d

**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

**1-methoxy-2-propanol:**

Toxicity to fish	:	LC50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia): > 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	:	EC50 (Daphnia): 10 - 100 mg/l



aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 10 - 100 mg/l  
Exposure time: 72 h

**2,4,6-tris(dimethylaminomethyl)phenol:**

Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): > 10 - 100 mg/l

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : Do not empty into drains; dispose of this material and its container 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 quantities.  
Water polluting material.

**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 handling site for recycling or disposal.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

UN/ID No. : UN 3082

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Fatty acids, C18-unsatd., dimers, reaction products with



Class : polyethylenepolyamines)  
 : 9  
 Packing group : III  
 Labels : Miscellaneous  
 Packing instruction (cargo : 964  
 aircraft)  
 Packing instruction (passen- : 964  
 ger aircraft)

**IMDG-Code**

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
 N.O.S.  
 (Fatty acids, C18-unsatd., dimers, reaction products with  
 polyethylenepolyamines)  
 Class : 9  
 Packing group : III  
 Labels : 9  
 EmS Code : F-A, S-F  
 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****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**

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.  
 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
ACGIH / STEL	:	Short-term exposure limit
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 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 dose (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 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

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.

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**Sikafloor® Duochem-6001 Part B**



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Material number : 457,249

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