





## Safety Data Sheet

according to WHMIS

Revision date: 24.10.2018

**AC200, Comp. A**

Product code: SDS38CA

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### Hazardous components

CAS No	Chemical name	Quantity
2082-81-7	Tetramethylene dimethacrylate	15 - < 20 %
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	< 1 %
98-29-3	p-tert-Butylcatechol	< 1 %

## 4. First-aid measures

### Description of first aid measures

**General information**

Take off immediately all contaminated clothing and wash it before reuse.

**After inhalation**

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

**After contact with skin**

Take off immediately all contaminated clothing and wash it before reuse.  
Medical treatment necessary.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

### Most important symptoms and effects, whether acute or delayed

Allergic reactions

### Indication of immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media**

Extinguishing powder  
Water spray jet

**Unsuitable extinguishing media**

Full water jet

### Specific hazards arising from the hazardous product

Pyrolysis products, toxic  
Carbon monoxide

### Special protective equipment and precautions for fire-fighters

In case of fire and/or explosion do not breathe fumes.  
Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.  
Do not allow entering drains or surface water.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.



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**Environmental precautions**

Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## 7. Handling and storage

**Precautions for safe handling****Advice on safe handling**

Use only outdoors or in a well-ventilated area.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed.

Keep only in the original container in a cool, well-ventilated place.

**Advice on storage compatibility**

Do not use for products which come into contact with the food stuffs.

**Further information on storage conditions**

storage temperature : 5-25°C

## 8. Exposure controls/Personal protection

**Control parameters****Exposure limits (ACGIH)**

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
14808-60-7	Silica, crystalline - alpha-quartz (respirable fraction)		0.025		TWA (8 h)	ACGIH-2018

**Additional advice on limit values**

A quartz contained is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded.

**Exposure controls****Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**Eye/face protection**

Wear eye protection/face protection.



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**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Wearing time with occasional contact (splashes): 0,4mm NBR (Nitrile rubber) >480min (EN374)

Wearing time with permanent contact 0,5mm NBR (Nitrile rubber) >480min (EN374)

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state: Paste  
Colour: light beige  
pH-Value: not determined

**Changes in the physical state**

Melting point: not determined  
Initial boiling point and boiling range: not determined  
Flash point: not applicable

**Flammability**

Solid: not determined  
Gas: not applicable  
Lower explosive limits: not determined  
Upper explosive limits: not determined

**Auto-ignition temperature**

Solid: not determined  
Gas: not applicable  
Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.  
Vapour pressure: not determined  
Density (at 20 °C): 1,77 g/cm<sup>3</sup>  
Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

**Solubility in other solvents**

not determined  
Partition coefficient: not determined  
Vapour density: not determined  
Evaporation rate: not determined

**Other information**

Solid content: not determined

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**10. Stability and reactivity****Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

none

**Incompatible materials**

No information available.

**Hazardous decomposition products**

No known hazardous decomposition products.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

CAS No	Chemical name					
	Route of exposure	Dose		Species	Source	Method
2082-81-7	Tetramethylene dimethacrylate					
	oral	LD50 mg/kg	10066	Rat		
	dermal	LD50 mg/kg	>3000	Rabbit		
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol					
	oral	LD50 mg/kg	11200	Rat		
	dermal	LD50 mg/kg	> 5000	Rabbit		
98-29-3	p-tert-Butylcatechol					
	oral	LD50 mg/kg	815	Rat		
	dermal	LD50 mg/kg	1331	Rat		

**12. Ecological information****Ecotoxicity**

The product is not: Ecotoxic.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

**Mobility in soil**

The product has not been tested.



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### Other adverse effects

No information available.

### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 13. Disposal considerations

### Waste treatment methods

#### **Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

#### **Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

### **Canadian TDG**

#### Proper shipping name:

No dangerous good in sense of this transport regulation.

### **Marine transport (IMDG)**

#### UN number:

No dangerous good in sense of this transport regulation.

#### United Nations proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

### **Air transport (ICAO-TI/IATA-DGR)**

#### UN number:

No dangerous good in sense of this transport regulation.

#### United Nations proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

### **Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

## 15. Regulatory information

### **Canadian regulations**

#### **DSL/NDSL inventory status**

All ingredients of this mixture are included on the DSL Inventory.

### **Provincial regulations**

WHMIS 2015

## 16. Other information

### **Changes**

This data sheet contains changes from the previous version in section(s): 8,11,14,15.

### **Abbreviations and acronyms**

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

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ATE: Estimated average treatment effect  
CAS: Chemical Abstracts Service  
DSL: Domestic substances list  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)  
ICAO-TI: International Civil Aviation Organization - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG: International Maritime Code for Dangerous Goods  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
SIMDUT: Système d'information sur les matières dangereuses utilisées au travail  
TDG: Transport of Dangerous Goods  
TMD: Transport des marchandises dangereuses  
TWA: Time-weighted average  
UN number: United Nations number  
WHMIS: Workplace Hazardous Materials Information System

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*







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**General information**

Change contaminated, saturated clothing.

**After inhalation**

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

**Most important symptoms and effects, whether acute or delayed**

Allergic reactions

**Indication of immediate medical attention and special treatment needed**

Treat symptomatically.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing powder

Water spray jet

**Unsuitable extinguishing media**

Full water jet

**Specific hazards arising from the hazardous product**

Pyrolysis products, toxic

Carbon monoxide

**Special protective equipment and precautions for fire-fighters**

In case of fire and/or explosion do not breathe fumes.

Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

Use personal protection equipment.

Special danger of slipping by leaking/spilling product.

**Environmental precautions**

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**Methods and material for containment and cleaning up**

Take up mechanically.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

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Disposal: see section 13

### 7. Handling and storage

#### Precautions for safe handling

**Advice on safe handling**

- Use only outdoors or in a well-ventilated area.
- When using do not eat, drink or smoke.
- Use protective skin cream before handling the product.

**Advice on protection against fire and explosion**

- No special fire protection measures are necessary.

#### Conditions for safe storage, including any incompatibilities

**Requirements for storage rooms and vessels**

- Keep container tightly closed.
- Keep/Store only in original container.

**Advice on storage compatibility**

- Do not use for products which come into contact with the food stuffs.
- Store in a well-ventilated place. Keep cool.

**Further information on storage conditions**

- Keep container tightly closed in a cool place.
- storage temperature 5 - +25°C

### 8. Exposure controls/Personal protection

#### Control parameters

**Exposure limits (ACGIH)**

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
94-36-0	Benzoyl peroxide		5		TWA (8 h)	ACGIH-2018

#### Exposure controls

**Protective and hygiene measures**

- Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
- Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**Eye/face protection**

- Suitable eye protection: Wear eye/face protection.

**Hand protection**

- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Wearing time with occasional contact (splashes): 0,4mm NBR (Nitrile rubber) &gt; 480min (EN 374)

Wearing time with permanent contact 0,5mm NBR (Nitrile rubber) &gt; 480min (EN 374)



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**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Paste	
Colour:	black	
Odour:	characteristic	
pH-Value:		not applicable

**Changes in the physical state**

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable

**Flammability**

Solid:	not determined
Gas:	not applicable
Lower explosive limits:	not determined
Upper explosive limits:	not determined

**Auto-ignition temperature**

Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined

**Oxidizing properties**

Not oxidising.

Vapour pressure:	not determined
Density:	1,77 g/cm <sup>3</sup>
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.

**Solubility in other solvents**

not determined

Partition coefficient:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

**Other information**

Solid content:	not determined
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**10. Stability and reactivity****Reactivity**

see section 10.3

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

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Violent reaction with: Oxidising agent

**Conditions to avoid**

see section 7.2

**Incompatible materials**

Oxidising agent, strong

**Hazardous decomposition products**

No known hazardous decomposition products.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
94-36-0	Dibenzoyl peroxide				
	oral	LD50 >5000 mg/kg	Rat		

**12. Ecological information****Ecotoxicity**

The product is not: Ecotoxic.

OECD 201 (Desmodesmus subspicatus )

IC10: (0 - 72h) = 60 mg/l

IC50: (0 - 72h) = &gt; 500 mg/l

OECD 202 (Daphnia magna (Big water flea )

EC0/NOEC (48h) = 100 mg/l

EC50 (48h) = &gt; 500 mg/l

EC100 (48h) = &gt;&gt; 500 mg/l

OECD 203 (Brachydanio rerio (zebra-fish )

LC0/NOEC = 500 mg/l

LC50 = &gt; 500 mg/l

LC100 = &gt;&gt;500 mg/l

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

**Mobility in soil**

The product has not been tested.

**Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**13. Disposal considerations****Waste treatment methods**



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**Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

**Canadian TDG**

**Proper shipping name:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**UN number:** No dangerous good in sense of this transport regulation.

**United Nations proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

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**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### 15. Regulatory information

**Canadian regulations****DSL/NDSL inventory status**

All ingredients of this mixture are included on the DSL Inventory.

**Provincial regulations**

WHMIS 2015

### 16. Other information

**Changes**

This data sheet contains changes from the previous version in section(s): 11,14,15.

**Abbreviations and acronyms**

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ADR: Accord européen sur le transport des marchandises dangereuses par Route  
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ATE: Estimated average treatment effect

CAS: Chemical Abstracts Service

DSL: Domestic substances list

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LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

SIMDUT: Système d'information sur les matières dangereuses utilisées au travail

TDG: Transport of Dangerous Goods

TMD: Transport des marchandises dangereuses

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