

# Safety Data Sheet

## Decaltal® Pic S

Revision date : 2012/05/22

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Version: 1.1

(30045784/SDS\_LEA\_CA/EN)

### 1. Product and Company Identification

Company

BASF Canada Inc.  
100 Milverton Drive  
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information

CANUTEC (reverse charges): (613) 996-6666  
BASF HOTLINE: (800) 454-COPE (2673)

### 2. Hazards Identification

Emergency overview

IRRITANT.  
RISK OF SERIOUS DAMAGE TO EYES.

State of matter: solid  
Colour: grey white to yellowish  
Odour: faint specific odour

Potential health effects**Acute toxicity:**

Of low toxicity after single ingestion. In animal studies the substance is virtually nontoxic after short-term inhalation. Virtually nontoxic after a single skin contact.

**Irritation / corrosion:**

Not irritating to the skin. May cause severe damage to the eyes.

**Assessment other acute effects:**

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

**Sensitization:**

Skin sensitizing effects were not observed in animal studies.

**Chronic toxicity:**

**Carcinogenicity:** Based on the ingredients there is no suspicion of a carcinogenic effect in humans. Study scientifically not justified.

**Reproductive toxicity:** Repeated oral uptake of the substance did not cause damage to the reproductive organs.

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**Teratogenicity:** No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

**Genotoxicity:** In the majority of studies performed with microorganisms and in mammalian cell culture, a mutagenic effect was not found. A mutagenic effect was also not observed in in vivo tests.

### Potential environmental effects

**Aquatic toxicity:**

The product gives rise to pH shifts.

**Terrestrial toxicity:**

Study scientifically not justified.

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### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
68603-87-2	>= 60.0 - <= 100.0 %	carboxylic acids, di, C4-C6

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### 4. First-Aid Measures

**General advice:**

Remove contaminated clothing. Avoid contact with the skin, eyes and clothing.

**If inhaled:**

Keep patient calm, remove to fresh air. Assist in breathing if necessary. Consult a physician.

**If on skin:**

Wash affected areas thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

**If in eyes:**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

**If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-Fighting Measures

Flash point:	180 °C	(Directive 92/69/EEC, A.9, closed cup)
Autoignition:	475 °C	(DIN 51794)
Lower explosion limit:		No data available.
Upper explosion limit:		No data available.
Flammability:	not highly flammable	(Directive 92/69/EEC, A.10)
Self-ignition temperature:		not self-igniting (Directive 92/69/EEC, A.16) not self-igniting

**Suitable extinguishing media:**

water spray, dry powder, foam, carbon dioxide

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### Hazards during fire-fighting:

No particular hazards known.

### Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

### Impact Sensitivity:

Remarks: Substance/product is not impact sensitive at room temperature.

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## 6. Accidental release measures

### Personal precautions:

Avoid dust formation. Sources of ignition should be kept well clear. Use breathing apparatus if exposed to vapours/dust/aerosol. Information regarding personal protective measures see, chapter 8.

### Environmental precautions:

Discharge into the environment must be avoided. Do not empty into drains. Retain and dispose of contaminated wash water.

### Cleanup:

For large amounts: Pick up in dry form. Dispose of absorbed material in accordance with regulations.  
For residues: Rinse away with water.

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## 7. Handling and Storage

### Handling

#### General advice:

Avoid dust formation. Ensure suitable air extract/ventilation on process machinery and transportation equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Ensure thorough ventilation of stores and work areas. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Dust can form an explosive mixture with air.

### Storage

#### General advice:

Protect against heat. Containers should be stored tightly sealed in a dry place.

#### Storage incompatibility:

General advice: Segregate from alkalis and alkalizing substances.

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## 8. Exposure Controls and Personal Protection

### Personal protective equipment

#### Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

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### General safety and hygiene measures:

Avoid inhalation of dust. Wash soiled clothing immediately.

## 9. Physical and Chemical Properties

Form: flakes  
Odour: faint specific odour  
Odour threshold: No data available.  
Colour: grey white to yellowish  
pH value: 2.0 ( 150 g/l, 70 °C)  
melting range: > 45 - < 120 °C ( 1,013 hPa) (Directive 92/69/EEC, A.1)  
Boiling range: 235 - 337.5 °C ( 1,013 hPa) The statements are based on the properties of the individual components.

*Information on: succinic acid*

Boiling point: 235 °C ( 1,013 hPa) Literature data.

*Information on: glutaric acid*

Boiling range: > 302 - < 304 °C ( 1,013 hPa) Literature data.

*Information on: adipic acid*

Boiling point: 337.5 °C ( 1,013 hPa) Literature data.

Vapour pressure: 4 - 14 mbar ( 160 - 180 °C)

Density: 1.23 g/cm<sup>3</sup> ( 20 °C)

Relative density: 1.36 - 1.56 ( 15 - 25 °C) Literature data.

Bulk density: 400 - 600 kg/m<sup>3</sup>

Partitioning coefficient n-octanol/water (log Pow): -0.575 - 0.162 ( 25 °C) (OECD Guideline 107)

*Information on: succinic acid*

Partitioning coefficient n-octanol/water (log Pow): -0.575 ( 25 °C) (measured)

*Information on: adipic acid*

Partitioning coefficient n-octanol/water (log Pow): 0.093 ( 25 °C) (measured)

*Information on: glutaric acid*

Partitioning coefficient n-octanol/water (log Pow): -0.26 ( 25 °C) (calculated)

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Viscosity, dynamic: Study scientifically not justified.

Particle size: D50 4.7 mm (measured)

Solubility in water: approx. 45 g/l ( 20 °C)

approx. 85 g/l ( 30 °C)

Miscibility with water: soluble

Solubility (qualitative): soluble

solvent(s): organic solvents,

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid dust formation. Avoid deposition of dust. See MSDS section 7 - Handling and storage.

### Substances to avoid:

alkaline reactive substances

### Hazardous reactions:

Reacts with basic components to generate heat. Dust explosion hazard.

### Decomposition products:

Thermal decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated., Incomplete combustion results in formation of toxic gases, containing mainly carbon monoxide and carbon dioxide.

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**Thermal decomposition:**

No data available.

**Corrosion to metals:**

No corrosive effect on metal.

**Oxidizing properties:**

Based on its structural properties the product is not classified as oxidizing.

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## 11. Toxicological information

**Acute toxicity****Oral:**

Type of value: LD50

Species: rat (male/female)

Value: 6,000 mg/kg (OECD Guideline 401)

**Inhalation:**

Type of value: LC0

Species: rat (male/female)

Value: 7.7 mg/l (OECD Guideline 403)

Exposure time: 4 h

The product has not been tested. The statement has been derived from the properties of the individual components.

**Dermal:**

Type of value: LD0

Species: rabbit (male/female)

Value: 7,940 mg/kg

**Irritation / corrosion****Skin:**

Species: rabbit

Result: non-irritant

Method: BASF-Test

**Eye:**

Species: rabbit

Result: Risk of serious damage to eyes.

Method: BASF-Test

**Sensitization:**

Species: guinea pig

Result: Non-sensitizing.

Method: other

**Aspiration Hazard:**

No data available.

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## 12. Ecological Information

**Fish**

Acute:

DIN 38412 Part 15 static

Leuciscus idus/LC50 (96 h): 147 - 215 mg/l

Fish test acute static

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Brachydanio rerio/LC50 (96 h): 59.5 mg/l

Chronic:

Study scientifically not justified.

### Aquatic invertebrates

Acute:

Directive 84/449/EEC, C.2 static

Daphnia magna/EC50 (48 h): 88.4 mg/l

OECD Guideline 202, part 1 static

Daphnia magna/EC50 (48 h): 46 mg/l

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Chronic:

OECD Guideline 211 Daphnia magna (NOEC) 21 d 6.3 mg/l

The product has not been tested. The statement has been derived from products of a similar structure or composition.

### Aquatic plants

Toxicity to aquatic plants:

DIN 38412 Part 9 static

green algae/EC50 (72 h): 41.9 mg/l

### Microorganisms

Toxicity to microorganisms:

DIN EN ISO 8192 aquatic

activated sludge, industrial/EC20 (30 min): > 100 mg/l

DIN 38412 Part 8 aquatic

bacterium/EC50 (17 h): 91 mg/l

OECD Guideline 209 aquatic

activated sludge/EC50 (3 h): 7,910 mg/l

### Degradability / Persistence

#### Biological / Abiological Degradation

Test method: OECD 301D; EEC 92/69, C.4-E (aerobic), activated sludge, domestic

Method of analysis: BOD of the ThOD

Degree of elimination: 83 % (30 d)

Test method: OECD 301C; ISO 9408; 92/69/EEC, C.4-F (aerobic), Inoculum conforming to MITI

Method of analysis: BOD of the ThOD

Degree of elimination: 78 % (14 d)

Test method: OECD 301E/92/69/EEC, C.4-B (aerobic), activated sludge, domestic

Method of analysis: DOC reduction

Degree of elimination: 100 % (14 d)

Evaluation: Readily biodegradable (according to OECD criteria).

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## 13. Disposal considerations

### Waste disposal of substance:

Must be disposed of or incinerated in accordance with local regulations.

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### Container disposal:

Uncleaned empties should be disposed of in the same manner as the contents. Uncontaminated packaging can be re-used.

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## 14. Transport Information

### Land transport

TDG

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical DSL, CA released / listed

**WHMIS classification:** D2B: Materials Causing Other Toxic Effects - Toxic material



**THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.**

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## 16. Other Information

Suitable for use in industrial sector: leather industry;

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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### MSDS Prepared by:

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