

Safety data sheet

Bascal® S

Revision date : 2008/11/13
Version: 1.0

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(30045784/MDS_LEA_CA/EN)

1. Substance/preparation 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)

Chemical family: organic acids

2. Hazardous ingredients

CAS Number
68603-87-2

Content (W/W)
60.0 - 100.0 %

Hazardous ingredients
carboxylic acids, di, C4-C6

3. Hazard identification

Potential health effects

Acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Irritation:

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

Sensitization:

Skin sensitizing effects were not observed in animal studies.

Potential environmental effects

Aquatic toxicity:

Acutely harmful for aquatic organisms.

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

The product gives rise to pH shifts.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

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

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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.

5. Fire-fighting measures

Flash point: 200 °C (DIN 51584)
Autoignition: 475 °C (DIN 51794)

Suitable extinguishing media:

water, dry extinguishing media, foam, carbon dioxide

Further information:

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

6. Accidental release measures

Personal precautions:

Avoid dust formation. Sources of ignition should be kept well clear.

Environmental precautions:

Discharge into the environment must be avoided.

Cleanup:

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

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.

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Storage incompatibility:

General: Segregate from alkalies and alkalinizing substances.

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.

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:	100 - 130 °C	(1,013 mbar)
Boiling range:	300 - 330 °C	(1,013 mbar)
Vapour pressure:	4 - 14 mbar	(160 - 180 °C)
Density:	1.23 g/cm ³	(20 °C)
Bulk density:	400 - 600 kg/m ³	
<i>Information on: succinic acid</i>		
Partitioning coefficient n-octanol/water (log Pow):	-0.575	(25 °C) (measured)
<i>Information on: adipic acid</i>		
Partitioning coefficient n-octanol/water (log Pow):	0.093	(25 °C) (measured)
<i>Information on: glutaric acid</i>		
Partitioning coefficient n-octanol/water (log Pow):	-0.26	(25 °C) (calculated)

Solubility in water:	approx. 65 - 85 g/l	(20 °C)
Miscibility with water:		soluble
Solubility (qualitative):	soluble	
	solvent(s): organic solvents,	

10. Stability and reactivity

Substances to avoid:

Alkalines

Hazardous reactions:

Dust explosion hazard.

Decomposition products:

No hazardous decomposition products known.

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11. Toxicological information

Acute toxicity

Oral:

LD50/rat/male/female: 2,210 mg/kg (BASF-Test)

Inhalation:

LC50/rat/male/female: > 0.03 mg/l / 4 h(BASF-Test)

Highest concentration available for testing.

Dermal:

LD50/rabbit: > 4,940 mg/kg

Literature data.

Skin irritation:

rabbit: non-irritant (BASF-Test)

eye irritation :

rabbit: Risk of serious damage to eyes. (BASF-Test)

Chronic toxicity

Genetic toxicity:

The substance was not mutagenic in bacteria.

The substance was not mutagenic in a test with mammals.

12. Ecological information

Environmental fate and transport

Biodegradation:

Evaluation: Readily biodegradable (according to OECD criteria).

Bioaccumulation:

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

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

Chemical oxygen demand (COD):

1,120 mg/g

Biochemical oxygen demand (BOD):

Incubation period 5.0 d: 850 mg/g

Ratio BOD/COD:

50 - 60 %

Environmental toxicity

Acute and prolonged toxicity to fish:

DIN 38412 Part 15 static

golden orfe/LC50 (96 h): 150 - 220 mg/l

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Acute toxicity to aquatic invertebrates:

Directive 84/449/EEC, C.2 static

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

Toxicity to aquatic plants:

DIN 38412 Part 9 green algae/EC50 (72 h): 66 mg/l

Toxicity to microorganisms:

OECD Guideline 209 aquatic

activated sludge/EC10 (30 min): > 1,000 mg/l

DIN 38412 Part 8 aquatic

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

Other ecotoxicological advice:

Do not release untreated into natural waters.

13. Disposal considerations

Waste disposal of substance:

Must be dumped or incinerated in accordance with local regulations.

Container disposal:

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

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

15. Regulatory information

Federal Regulations

Registration status:

DSL, CA

released / listed

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



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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.

16. Other information

Suitable for use in industrial sector: leather industry

Local contact information

BASF Canada Product Safety
prod_reg@basf.com

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