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)

Synonyms: METHYLPHENIDATE HYDROCHLORIDE

2. Hazards Identification

Emergency overview

Toxic if swallowed.
May cause sensitization by skin contact.
Contains a suspect carcinogen.

State of matter: solid
Colour: off-white
Odour: odourless

Potential health effects

Acute toxicity:
Harmful if swallowed.

Irritation / corrosion:
Not irritating to the eyes. Not irritating to the skin.

Sensitization:
sensitizing effect in animal tests

Chronic toxicity:

Carcinogenicity: In long-term animal studies in which the substance was given in high concentrations by feed, a carcinogenic effect was observed.

Reproductive toxicity: After the uptake of low doses an impairment of fertility will not be expected in humans.

Teratogenicity: A teratogenic potential cannot be excluded.

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 inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Acutely harmful for aquatic organisms.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Hazardous ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>298-59-9</td>
<td>60.0 - 100.0 %</td>
<td>2-Piperidineacetic acid, .alpha.-phenyl-, methyl ester, hydrochloride</td>
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</tbody>
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4. First-Aid Measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention. After inhalation of decomposition products: Inhale corticosteroid dose aerosol.

If on skin:
Wash thoroughly with soap and water.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

If swallowed:
Rinse mouth immediately and then drink plenty of water, seek medical attention.

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote. Administer corticosteroids (e.g. Prednisolon) in case of toxic lung oedema.

5. Fire-Fighting Measures

Suitable extinguishing media:
carbon dioxide, dry powder, water spray, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:
water jet

Hazards during fire-fighting:
carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides
Under special fire conditions traces of other toxic substances are possible.

Protective equipment for fire-fighting:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes.
6. Accidental release measures

Personal precautions:
Do not breathe dust. Avoid dust formation. Avoid contact with the skin, eyes and clothing. Ensure adequate ventilation. Information regarding personal protective measures see, chapter 8.

Environmental precautions:
Do not discharge into drains/surface waters/groundwater. Discharge into the environment must be avoided.

Cleanup:
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling

General advice:
Avoid dust formation. Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Ensure thorough ventilation of stores and work areas. Product should be worked up in closed equipment as far as possible.

Protection against fire and explosion:
Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. The product is capable of dust explosion. Avoid dust formation.

Storage

General advice:
Keep container tightly closed and dry.

8. Exposure Controls and Personal Protection

Personal protective equipment

Respiratory protection:
Breathing protection if dusts are formed. Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:
Chemical resistant protective gloves, Suitable materials, butyl rubber (butyl) - 0.7 mm coating thickness, nitrile rubber (NBR) - 0.4 mm coating thickness, chloroprene rubber (CR) - 0.5 mm coating thickness

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:
Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
Avoid contact with the skin, eyes and clothing. Do not breathe dust. Females of childbearing age should not come into contact with the product. Keep separated from food stuffs and feed stocks. Employees should shower at the end of the shift. When using, do not eat, drink or smoke.

9. Physical and Chemical Properties

Form: crystalline, powder
Odour: odourless
10. Stability and Reactivity

Substances to avoid:
acids, alkalies, oxidizing agents, reducing agents

Hazardous reactions:
Dust explosion hazard. Evolution of toxic gases/vapours.

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide, Hydrogen chloride, nitrogen oxides, toxic gases/vapours

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

Oral:
Type of value: LD50
Species: rat
Value: 350 mg/kg

Other Information:
Caution - substance not yet fully tested.
Females of childbearing age should not come into contact with the product.

12. Ecological Information

Bioaccumulation

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

Other adverse effects:
Caution - substance not yet fully tested.

13. Disposal considerations

Waste disposal of substance:
Observe national and local legal requirements.
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:**
- Chemical: DSL, CA released / listed
- Pharma: DSL, CA released / listed

**WHMIS classification:**
- D1B: Materials Causing Immediate and Serious Toxic Effects - Toxic material
- D2A: Materials Causing Other Toxic Effects - Very toxic material
- 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.*

16. Other Information

BASF supports 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.
Local Contact Information
BASF Canada Product Safety
289-360-1300

Attention: The safety data sheet has been adopted from Orgamol SA and is being revised at the moment.

END OF DATA SHEET