



The Chemical Company

Safety Data Sheet

ASSIST®

Revision date : 2013/06/19

Version: 1.1

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(30058782/SDS_CPA_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)

PCP#16937

2. Hazards Identification

Emergency overview

KEEP OUT OF REACH OF CHILDREN.
Avoid contact with the skin, eyes and clothing.
Avoid inhalation of dusts/mists/vapours.
Wash thoroughly after handling.

State of matter: liquid
Colour: clear
Odour: mild

Potential health effects

Medical conditions aggravated by overexposure:

Individuals with pre-existing diseases of the respiratory system, skin or eyes may have increased susceptibility to excessive exposures.

3. Composition / Information on Ingredients

Not WHMIS controlled.

4. First-Aid Measures

General advice:

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

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If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Wash thoroughly with soap and water. Consult a physician.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. Consult a physician.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician

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

5. Fire-Fighting Measures

Flash point: > 190 °C (DIN ISO 2592)
Autoignition: 354 °C

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Hazards during fire-fighting:

carbon monoxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus in confined areas or when exposed to combustion products.

Further information:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

6. Accidental release measures

Personal precautions:

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Cleanup:

For small amounts: Pick up with suitable absorbent material.

For large amounts: Spills should be contained and placed in suitable containers for disposal.

7. Handling and Storage

Handling

General advice:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Protect against heat.

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Protection against fire and explosion:

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

Storage

General advice:

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination.

Storage incompatibility:

General advice: Segregate from strong oxidizing agents.

Temperature tolerance

Protect from temperatures below: 0 °C

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure Controls and Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Remove contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form:	liquid
Odour:	mild
Odour threshold:	No data available.
Colour:	clear
pH value:	4.8 (20 °C)

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Vapour pressure:	< 1.3 mbar	(20 °C) The product has not been tested. The statement has been derived from the properties of the individual components.
Density:	0.89 g/cm3	(20 °C)
Vapour density:		not determined
Partitioning coefficient n- octanol/water (log Pow):		not applicable
Viscosity, dynamic:		not determined

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.

Substances to avoid:

acids, bases, amines, oxidizing agents

Hazardous reactions:

The product is chemically stable.

Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

Decomposition products:

Hazardous decomposition products: carbon monoxide

Thermal decomposition:

not determined

11. Toxicological information

Acute toxicity

Oral:

Information on: Distillates (petroleum), solvent-refined heavy paraffinic

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 401)

Information on: Distillates (petroleum), solvent-refined light paraffinic

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 401)

Analogous: Assessment derived from products with similar chemical character.

Inhalation:

Information on: Distillates (petroleum), solvent-refined heavy paraffinic

Type of value: LC50

Species: rat

Value: 2.18 mg/l (OECD Guideline 403)

Exposure time: 4 h

Dermal:

Information on: Distillates (petroleum), solvent-refined heavy paraffinic

Type of value: LD50

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Species: rabbit
Value: > 5,000 mg/kg (OECD Guideline 402)

Information on: Distillates (petroleum), solvent-refined light paraffinic
Type of value: LD50
Species: rabbit
Value: > 5,000 mg/kg (OECD Guideline 402)
Analogous: Assessment derived from products with similar chemical character.

Irritation / corrosion:

Skin:

Information on: Distillates (petroleum), solvent-refined heavy paraffinic
Species: rabbit
Result: non-irritant
Method: OECD Guideline 404
Literature data.

Eye:

Information on: Distillates (petroleum), solvent-refined heavy paraffinic
Species: rabbit
Result: non-irritant
Method: OECD Guideline 405
Literature data.

Information on: Distillates (petroleum), solvent-refined light paraffinic
Species: rabbit
Result: non-irritant
Method: OECD Guideline 405
Analogous: Assessment derived from products with similar chemical character.
Literature data.

Sensitization:

Information on: Distillates (petroleum), solvent-refined heavy paraffinic
Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.
Method: OECD Guideline 406

Information on: Distillates (petroleum), solvent-refined light paraffinic
Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.
Method: OECD Guideline 406
Analogous: Assessment derived from products with similar chemical character.

Other Information:

Misuse can be harmful to health.

12. Ecological Information

Fish

Information on: Distillates (petroleum), solvent-refined light paraffinic

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Acute:

OECD Guideline 203 semistatic

Oncorhynchus mykiss/LC50 (96 h): > 5,000 mg/l

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The product has low solubility in the test medium. An aqueous dispersion has been tested.

semistatic

Salmo gairdneri, syn. *O. mykiss*/LC50 (96 h): > 1,000 mg/l

Limit concentration test only (LIMIT test). No mortality was observed.

Aquatic invertebrates

Acute:

Daphnia sp./LC50: 0.1111 mg/l

Aquatic plants

Information on: Distillates (petroleum), solvent-refined light paraffinic

Toxicity to aquatic plants:

OECD Guideline 201 static

green algae/No observed effect concentration (96 h): 1,000 mg/l

Limit concentration test only (LIMIT test).

Degradability / Persistence

Biological / Abiological Degradation

Information on: Distillates (petroleum), solvent-refined heavy paraffinic

Test method: Directive 84/449/EEC, C.5 (aerobic),

Method of analysis: CO2 formation relative to the theoretical value

Degree of elimination: 5 - 26 % (28 d)

Information on: Distillates (petroleum), solvent-refined light paraffinic

Test method: Directive 84/449/EEC, C.5 (aerobic), activated sludge, domestic

Method of analysis: CO2 formation relative to the theoretical value

Degree of elimination: 0 - 30 % (28 d)

Test method: OECD 301B; ISO 9439; 92/69/EEC, C.4-C (aerobic),

Method of analysis: CO2 formation relative to the theoretical value

Degree of elimination: 22 - 29 % (28 d)

Evaluation: Not readily biodegradable (by OECD criteria).

Evaluation: Moderately/partially biodegradable.

Not readily biodegradable (by OECD criteria).

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

Not readily biodegradable (by OECD criteria).

Moderately/partially biodegradable.

Other adverse effects:

Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:

Dispose of in a licensed facility. Observe all local regulations. See product label for disposal and recycling instructions.

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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

15. Regulatory Information

Federal Regulations

Registration status:

Crop Protection DSL, CA released / exempt

Chemical DSL, CA released; restriction on quantity / not listed

WHMIS does not apply to this product.

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

Recommended use: adjuvant

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.

SDS Prepared by:

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SDS Prepared on: 2013/06/19

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