

# Safety Data Sheet

## Irganox® 1330

Revision date : 2012/08/14

Version: 2.0

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(30475161/SDS\_GEN\_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)

Synonyms:

Not available.

Use: Antioxidant

### 2. Hazards Identification

Emergency overview

## NOTICE:

May cause mechanical irritation to eyes, skin and respiratory system.

AVOID CREATING DUST.

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

Take precautionary measures against static discharges.

State of matter: solid

Colour: white

Odour: odourless

Potential health effects**Primary routes of entry:**

Ingestion.

Skin

Inhalation.

Eyes

**Irritation / corrosion:**

Not irritating to eyes and skin.

**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:** The whole of the information assessable provides no indication of a carcinogenic effect.

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None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

**Reproductive toxicity:** No data for product. No effects anticipated

**Teratogenicity:** No teratogenic effects reported.

**Genotoxicity:** No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

**Signs and symptoms of overexposure:**

Further important symptoms and effects are so far not known.

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Potential environmental effects**

**Degradation / environmental fate:**

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

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### 3. Composition / Information on Ingredients

Not WHMIS controlled.

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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. Assist in breathing if necessary.

**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.

**If swallowed:**

Rinse mouth and then drink plenty of water.

**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:	321 °C	
Autoignition:	380 °C	(BAM)
Flammability:	not highly flammable	

Self-ignition temperature: Based on its structural properties the product is not classified as self-igniting.

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**Suitable extinguishing media:**

dry powder, foam

**Unsuitable extinguishing media for safety reasons:**

carbon dioxide

**Additional information:**

Avoid whirling up the material/product because of the danger of dust explosion.

**Hazards during fire-fighting:**

harmful vapours

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

**Protective equipment for fire-fighting:**

Wear a self-contained breathing apparatus.

**Further information:**

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

**Impact Sensitivity:**

Assessment: no

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## 6. Accidental release measures

**Personal precautions:**

Avoid dust formation. Use personal protective clothing.

**Environmental precautions:**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

**Cleanup:**

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

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## 7. Handling and Storage

### Handling

**General advice:**

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

**Protection against fire and explosion:**

Avoid dust formation. Take precautionary measures against static discharges.

### Storage

**General advice:**

Keep container tightly closed and dry; store in a cool place.

Avoid all sources of ignition: heat, sparks, open flame.

**Temperature tolerance**

The packed product is not damaged by low temperatures or by frost.

The packed product will not be damaged by high temperatures.

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### 8. Exposure Controls and Personal Protection

#### Personal protective equipment

##### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Observe OSHA regulations for respirator use (29 CFR 1910.134).

##### **Hand protection:**

Chemical resistant protective gloves

##### **Eye protection:**

Safety glasses with side-shields.

##### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

Form:	powder	
Odour:	odourless	
Odour threshold:	No data available.	
Colour:	white	
pH value:	5 - 6.8	( 1 %(m), 20 - 25 °C) (as suspension)
melting range:	241 - 245 °C	( 1,013.25 hPa) (other)
Boiling point:		not applicable
Bulk density:	500 - 800 kg/m <sup>3</sup>	
Partitioning coefficient n-octanol/water (log Pow):	> 6	( 20 - 25 °C)
% volatiles:	0.5 %	
Solubility in water:	< 1 mg/l	( 20 °C)
Molar mass:	775.21 g/mol	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

### 10. Stability and Reactivity

#### **Dust explosion class:**

Dust explosion class 3 (Kst-value >300 bar m s<sup>-1</sup>) (St 3)

#### **Minimum ignition energy:**

No data available.

#### **Conditions to avoid:**

Avoid dust formation. Avoid deposition of dust. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.

#### **Substances to avoid:**

strong oxidizing agents, strong bases, strong acids

#### **Hazardous reactions:**

Dust explosion hazard.

#### **Decomposition products:**

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Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

**Thermal decomposition:**

> 350 °C (Isoperibolic (Lütolf oven))

> 240 °C (VDI 2263, sheet 1, 1.4.1)

**Corrosion to metals:**

Corrosive effects to metal are not anticipated.

**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

Value: > 2,000 mg/kg

**Inhalation:**

not determined

**Dermal:**

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

### Irritation / corrosion

**Skin:**

Species: rabbit

Result: non-irritant

**Eye:**

Species: rabbit

Result: non-irritant

**Sensitization:**

Species: guinea pig

Result: Non-sensitizing.

**Aspiration Hazard:**

No aspiration hazard expected.

**Other Information:**

Rats and beagle dogs were given radiolabeled test material by gavage (up to 100 mg/kg) after participating in the 15 week feeding studies. Urine and feces were collected for up to 96 hours. All of the radioactivity was recovered in the feces within 48-72 hours, indicating an absence of gastrointestinal absorption.

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## 12. Ecological Information

### Fish

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Acute:  
Brachydanio rerio/LC50 (96 h): > 100 mg/l

### **Aquatic invertebrates**

Acute:  
Daphnia magna/EC50 (24 h): > 100 mg/l

### **Aquatic plants**

Toxicity to aquatic plants:  
Algae/EC50 (72 h): > 100 mg/l

### **Microorganisms**

Toxicity to microorganisms:  
activated sludge/EC50 (3 h): > 100 mg/l

### **Degradability / Persistence Biological / Abiological Degradation**

Evaluation: Non-biodegradable.

### **Bioaccumulation**

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.

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## 13. Disposal considerations

### **Waste disposal of substance:**

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

### **Container disposal:**

The packaging must not be re-used. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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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

Not WHMIS controlled.

**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

Unsuitable for use: This material is not intended for use in products for which prolonged contact with mucous membranes, body fluids or abraded skin, or implantation within the human body, is specifically intended, unless the finished product has been tested in accordance with nationally and internationally applicable safety testing requirements. Because of the wide range of such potential uses, we are not able to recommend this material as safe and effective for such uses and assume no liability for such uses.;

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:**

BASF NA Product Regulations  
msds@basf.com  
BASF HOTLINE (800) 454 – COPE (2673)  
MSDS Prepared on: 2012/08/14

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