



We create chemistry

# Safety Data Sheet

## Tinuvin® 5070

Revision date : 2021/12/03

Version: 2.0

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(30787597/SDS\_GEN\_CA/EN)

### 1. Identification

#### Product identifier used on the label

## Tinuvin® 5070

#### Recommended use of the chemical and restriction on use

Recommended use\*: for industrial use only

Unsuitable for use: Uses other than recommended

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Canada Inc.

5025 Creekbank Road

Building A, Floor 2

Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: (800) 454-COPE (2673)

#### Other means of identification

Chemical family:

Preparation based on: light stabilizer

### 2. Hazards Identification

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

#### Classification of the product

Skin Corr./Irrit.

2

Skin corrosion/irritation

Aquatic Acute

2

Hazardous to the aquatic environment - acute

Aquatic Chronic

2

Hazardous to the aquatic environment - chronic

#### Label elements

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Pictogram:



Signal Word:  
Warning

Hazard Statement:

H315 Causes skin irritation.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280 Wear protective gloves.  
P273 Avoid release to the environment.  
P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical attention.  
P391 Collect spillage.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

### Hazards not otherwise classified

No applicable information available.

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## 3. Composition / Information on Ingredients

### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Hydroxy tetra alkyl esters of trialkyl alkanolic acid with cycloaminoethanol

CAS Number: 1445870-18-7  
Content (W/W):  $\geq 25.0$  -  $< 75.0\%$   
Synonym: No data available.

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters

CAS Number: 127519-17-9  
Content (W/W):  $\geq 25.0$  -  $< 50.0\%$   
Synonym: Mixture of branched and linear alkyl(C=7-9) ester of [3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionic acid

3,5,5-trimethylhexanoic acid

CAS Number: 3302-10-1  
Content (W/W):  $> 0.0$  -  $< 0.3\%$   
Synonym: 3,3,5-Trimethylhexanoic acid

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### 4. First-Aid Measures

#### Description of first aid measures

**General advice:**

Immediately remove contaminated clothing.

**If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

**If on skin:**

Wash affected areas thoroughly with soap and water. Seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

**If swallowed:**

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Seek medical attention.

#### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in section 2 and/or in section 11.

*Information on: 3,5,5-trimethylhexanoic acid*

*Symptoms: Overexposure may cause: corneal injury, skin corrosion, severe pain, coughing, respiratory disorders, dyspnea, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

*Information on: Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters*

*Symptoms: Overexposure may cause: Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

*Information on: Hydroxy tetra alkyl esters of trialkyl alkanoic acid with cycloaminoethanol*

*Symptoms: Overexposure may cause: Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

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Hazards: No applicable information available.

#### Indication of any immediate medical attention and special treatment needed

Note to physician

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

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

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Unsuitable extinguishing media for safety reasons:  
No data available.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours

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

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

For residues: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

Spills should be contained, solidified, and placed in suitable containers for disposal.

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## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and in a cool place.

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## 8. Exposure Controls/Personal Protection

No substance specific occupational exposure limits known.

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### Personal protective equipment

#### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate.

#### **Hand protection:**

Chemical resistant protective gloves

#### **Eye protection:**

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

#### **Body protection:**

Impermeable protective clothing

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

Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

Form:	liquid
Odour:	No data available.
Odour threshold:	No applicable information available.
Colour:	light yellow
pH value:	not determined
Melting point:	No applicable information available.
Freezing point:	No applicable information available.
Boiling point:	> 200 °C ( 1,013 hPa)
Boiling range:	No applicable information available.
Sublimation point:	No applicable information available.
Flash point:	> 300 °C
Flammability:	No applicable information available.
Lower explosion limit:	No applicable information available.
Upper explosion limit:	No applicable information available.
Autoignition:	not determined
Vapour pressure:	No applicable information available.
Density:	1.3 g/cm <sup>3</sup> ( 20 °C)
Relative density:	No applicable information available.
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.
Thermal decomposition:	not determined
Viscosity, dynamic:	( 22 °C)
Viscosity, kinematic:	No applicable information available.
Solubility in water:	not soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	No applicable information available.
Evaporation rate:	No applicable information available.

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## 10. Stability and Reactivity

### **Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

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not fire-propagating

### Chemical stability

The product is chemically stable.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

### Conditions to avoid

No conditions known that should be avoided.

### Incompatible materials

No applicable information available.

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:  
not determined

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single skin contact. Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Oral

Type of value: ATE  
Value: > 5,000 mg/kg

#### Inhalation

No applicable information available.

#### Dermal

Type of value: ATE  
Value: > 5,000 mg/kg

#### Assessment other acute effects

No applicable information available.

#### Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation.

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### Skin

Species: rabbit  
not determined

### Eye

Species: rabbit  
not determined

### Sensitization

Assessment of sensitization: Based on available data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

### Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

### Carcinogenicity

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

### Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

### Teratogenicity

Assessment of teratogenicity: Based on the ingredients, there is no suspicion of a teratogenic effect.

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## **12. Ecological Information**

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:  
Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

#### Toxicity to fish

LC50 (96 h), Fish (other)  
not determined

#### Aquatic invertebrates

LC50 (48 h), daphnia (other)  
not determined

#### Aquatic plants

EC50 (72 h), algae (other)  
not determined

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### Chronic toxicity to fish

No data available.

### Chronic toxicity to aquatic invertebrates

No data available.

## Microorganisms/Effect on activated sludge

### Toxicity to microorganisms

other

bacteria/EC50 (0.5 h):

not determined

## Persistence and degradability

### Assessment biodegradation and elimination (H<sub>2</sub>O)

Not readily biodegradable (by OECD criteria). Poorly biodegradable.

## Bioaccumulative potential

### Assessment bioaccumulation potential

The product has not been tested.

## Mobility in soil

### Assessment transport between environmental compartments

No data available.

## Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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## 13. Disposal considerations

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

Dispose of in accordance with national, state and local regulations.

### **Container disposal:**

Dispose of in a licensed facility. 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



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### Sea transport

IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHS  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2-ETHYLHEXANOIC ACID)

### Air transport

IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2-ETHYLHEXANOIC ACID)

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical DSL, CA released / listed

#### NFPA Hazard codes:

Health: 2 Fire: 1 Reactivity: 0 Special:

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## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2021/12/03

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