

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 1/9  
(30088948/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Trilon® CA Food Grade

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

Recommended use\*: foodstuff

\* 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 CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Molecular formula:  $\text{NA}_2\text{CAEDTA}$   
Chemical family: substance  
Synonyms: For TSCA purposes, reference CAS No. 62-33-9 for anhydrous  $\text{CaNa}_2\text{EDTA}$ .

---

### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

Combustible Dust      Combustible Dust (1)      Combustible Dust

#### Label elements

Signal Word:  
Warning

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 2/9  
(30088948/SDS\_GEN\_US/EN)

Hazard Statement:

May form combustible dust concentration in air.

---

### 3. Composition / Information on Ingredients

#### **According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

---

### 4. First-Aid Measures

#### **Description of first aid measures**

##### **General advice:**

Remove contaminated clothing.

##### **If inhaled:**

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

##### **If on skin:**

Wash affected areas thoroughly with soap and water. 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:**

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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

Symptoms: No significant symptoms are expected due to the non-classification of the product.

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

##### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

---

### 5. Fire-Fighting Measures

#### **Extinguishing media**

Suitable extinguishing media:  
dry powder, foam

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 3/9  
(30088948/SDS\_GEN\_US/EN)

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

### 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:

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.

---

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see, section 8.

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

### Environmental precautions

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

### Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Contain with dust binding material and dispose of.  
Dispose of absorbed material in accordance with regulations.

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Sweep/shovel up.  
Avoid raising dust.

---

## 7. Handling and Storage

### Precautions for safe handling

Keep away from sources of ignition - No smoking. Keep container tightly sealed. Handle and open container with care.

Protection against fire and explosion:

Vapours may form ignitable mixture with air. Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme heat.

### Conditions for safe storage, including any incompatibilities

Segregate from acids and bases. Segregate from strong oxidizing agents.

Further information on storage conditions: Store at ambient temperature. Keep container tightly closed.

---

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 4/9  
(30088948/SDS\_GEN\_US/EN)

### 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

#### Advice on system design:

Provide local exhaust ventilation to control dust.

#### Personal protective equipment

##### Respiratory protection:

Breathing protection if dusts are formed. Wear a NIOSH approved (or equivalent) particulate respirator if ventilation is inadequate to control dust.

##### Hand protection:

Chemical resistant protective gloves

##### Eye protection:

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

##### Body protection:

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

##### General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

Form:	powder
Odour:	odourless
Odour threshold:	not determined
Colour:	white
pH value:	6.5 - 8
melting point (decomposition):	> 150 °C estimate
Boiling point:	not determined
Flash point:	not applicable, the product is a solid
Flammability:	not determined
Lower explosion limit:	For solids not relevant for classification and labelling.
Upper explosion limit:	For solids not relevant for classification and labelling.
Autoignition:	not determined
Vapour pressure:	< 0.35 mmHg ( 20 °C)
Density:	Study does not need to be conducted.
Relative density:	No data available.
Bulk density:	641 kg/m <sup>3</sup>
Vapour density:	The product is a non-volatile solid.
Partitioning coefficient n- octanol/water (log Pow):	not applicable
Thermal decomposition:	not determined
Viscosity, dynamic:	not applicable, the product is a solid
Viscosity, kinematic:	not applicable, the product is a solid
Particle size:	No data available.

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 5/9  
(30088948/SDS\_GEN\_US/EN)

Solubility in water:	soluble
Evaporation rate:	The product is a non-volatile solid.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

### 10. Stability and Reactivity

#### Reactivity

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

Corrosion to metals:

No corrosive effect on metal.

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

#### Conditions to avoid

See MSDS section 7 - Handling and storage.

#### Incompatible materials

None known during use and storage if used according to instructions.

#### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:  
not determined

### 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

##### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

##### Inhalation

Type of value: ATE

Value: > 5.0000 mg/l

Determined for dust

##### Dermal

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 6/9  
(30088948/SDS\_GEN\_US/EN)

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

### Assessment other acute effects

No data available.

### Skin

Species: rabbit  
Result: non-irritant  
Method: Primary skin irritation test

### Eye

Species: rabbit  
Result: non-irritant

### Sensitization

Assessment of sensitization: No data available.

### Aspiration Hazard

not applicable

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

### Genetic toxicity

Assessment of mutagenicity: No data available.

### Carcinogenicity

Assessment of carcinogenicity: No data available.

### Reproductive toxicity

Assessment of reproduction toxicity: No data available.

### Teratogenicity

Assessment of teratogenicity: No data available.

### Other Information

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

## **Symptoms of Exposure**

No significant symptoms are expected due to the non-classification of the product.

---

## **12. Ecological Information**

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, Fish

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 7/9  
(30088948/SDS\_GEN\_US/EN)

Aquatic invertebrates  
LC50 (48 h), daphnia  
not determined

Aquatic plants  
EC50 (72 h), algae  
not determined

Chronic toxicity to fish  
No data available.

Chronic toxicity to aquatic invertebrates  
No data available.

Assessment of terrestrial toxicity  
No data available concerning terrestrial toxicity.

### **Microorganisms/Effect on activated sludge**

Toxicity to microorganisms  
bacteria/EC50 (0.5 h):  
not determined

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)  
The product has not been tested. Product is expected to be readily 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:  
Ecological data are not available.

---

## **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.

# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 8/9  
(30088948/SDS\_GEN\_US/EN)

---

### 14. Transport Information

**Land transport**  
USDOT

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:**

Food                    TSCA, US    released / exempt

Chemical                TSCA, US    released / listed

**EPCRA 311/312 (Hazard categories):** Not hazardous;

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	60-00-4	Edetic acid

**NFPA Hazard codes:**

Health : 1      Fire: 1      Reactivity: 0      Special:

**HMIS III rating**

Health: 1      Flammability: 1      Physical hazard: 0

---

### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2017/05/03

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.



# Safety Data Sheet

## Trilon® CA Food Grade

Revision date : 2017/05/03  
Version: 3.0

Page: 9/9  
(30088948/SDS\_GEN\_US/EN)

---

Trilon® CA Food Grade is a registered trademark of BASF Corporation or BASF SE  
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED  
HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS  
PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT  
PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO  
DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR  
TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING  
WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE  
MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET  
FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED  
WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE  
SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED  
A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY  
UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION  
FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO  
OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION  
GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
END OF DATA SHEET