

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 1/9  
(30089229/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Trilon® NA 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: NA2EDTA  
Chemical family: acetate  
Synonyms: SEQUESTRENE\$ NA2 FOOD GRADE CHELATE

### 2. Hazards Identification

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

#### Classification of the product

Acute Tox.	4 (Inhalation - dust)	Acute toxicity
STOT RE	2 (by inhalation)	Specific target organ toxicity — repeated exposure
Combustible Dust	Combustible Dust (1)	Combustible Dust

#### Label elements

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 2/9  
(30089229/SDS\_GEN\_US/EN)

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H332 May form combustible dust concentration in air.  
Harmful if inhaled.  
H373 May cause damage to organs (Respiratory system) through prolonged or repeated exposure (inhalation).

Precautionary Statements (Prevention):

P271 Use only outdoors or in a well-ventilated area.  
P261 Avoid breathing dust.  
P260 Do not breathe dust/gas/mist/vapours.

Precautionary Statements (Response):

P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P314 Get medical advice/attention if you feel unwell.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 100 % dermal

---

## 3. Composition / Information on Ingredients

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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
139-33-3	75.0 - 100.0%	Disodium ethylenediaminetetraacetate

---

## 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.

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 3/9  
(30089229/SDS\_GEN\_US/EN)

### **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**

## **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, carbon dioxide, dry powder, foam

### **Special hazards arising from the substance or mixture**

Hazards during fire-fighting:  
irritant gases/vapours

### **Advice for fire-fighters**

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### **Further information:**

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

Do not allow to enter drains or waterways. Approach with extreme caution.

---

## **6. Accidental release measures**

### Further accidental release measures:

Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

### Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

## **Personal precautions, protective equipment and emergency procedures**

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 4/9  
(30089229/SDS\_GEN\_US/EN)

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

### **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.

Avoid raising dust. Dispose of absorbed material in accordance with regulations.

Nonsparking tools should be used.

---

## 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:

Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

### **Conditions for safe storage, including any incompatibilities**

Suitable materials for containers: Low density polyethylene (LDPE), glass, Paper/Fibreboard

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

---

## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### **Advice on system design:**

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.

Provide local exhaust ventilation to control dust.

Use only appropriately classified electrical equipment and powered industrial trucks.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

### **Personal protective equipment**

#### **Respiratory protection:**

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

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 5/9  
(30089229/SDS\_GEN\_US/EN)

### Hand protection:

Chemical resistant protective gloves

### Eye protection:

Tightly fitting safety goggles (chemical goggles).

### General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Avoid inhalation of dust. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

---

## 9. Physical and Chemical Properties

Form:	powder
Odour:	odourless
Colour:	white
pH value:	4 - 6
Melting point:	240 °C estimate
Flash point:	No data available.
Autoignition:	No data available.
Vapour pressure:	< 0.35 mmHg ( 20 °C)
Bulk density:	0.7087 g/cm <sup>3</sup>
Solubility in water:	soluble

---

## 10. Stability and Reactivity

### Reactivity

Corrosion to metals:  
No corrosive effect on metal.

### Chemical stability

### Possibility of hazardous reactions

The product is chemically stable.

### Conditions to avoid

Avoid humidity. Avoid dust formation.

### Incompatible materials

light metals

### Hazardous decomposition products

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

---

## 11. Toxicological information

### Primary routes of exposure

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 6/9  
(30089229/SDS\_GEN\_US/EN)

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: Of moderate toxicity after short-term inhalation.

#### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

#### Inhalation

Type of value: ATE

Value: 1.520000 mg/l

Determined for dust

#### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

#### Skin

Species: rabbit

Result: non-irritant

Method: Primary skin irritation test

#### Eye

Species: rabbit

Result: non-irritant

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: No known chronic effects.

#### Other Information

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

### Symptoms of Exposure

---

## 12. Ecological Information

### Toxicity

#### Toxicity to fish

LC50 (96 h) 486 mg/l, *Lepomis macrochirus* (OPP 72-1 (EPA-Guideline), static)

The details of the toxic effect relate to the nominal concentration. Literature data. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Aquatic invertebrates

EC50 (48 h) 140 mg/l, *Daphnia magna* (DIN 38412 Part 11, static)

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 7/9  
(30089229/SDS\_GEN\_US/EN)

The details of the toxic effect relate to the nominal concentration.

### Aquatic plants

EC50 (72 h) > 100 mg/l (growth rate), Scenedesmus subspicatus (Directive 88/302/EEC, part C, p. 89, static)

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

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

#### Toxicity to microorganisms

OECD Guideline 209 aquatic

activated sludge, domestic/EC20 (30 min): > 500 mg/l

Nominal concentration.

DIN 38412 Part 8 aquatic

bacterium/EC50 (17 h): 0.28 mg/l

The details of the toxic effect relate to the nominal concentration.

### **Persistence and degradability**

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

Not readily biodegradable (by OECD criteria). Poorly biodegradable. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Elimination information

0 - 10 % BOD of the ThOD (30 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

0 - 10 % DOC reduction (77 d) (OECD 303A; ISO 11733; 92/69 EEC,V, C.10) (aerobic, activated sludge, domestic)

### **Additional information**

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

---

## 13. Disposal considerations

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

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

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

### **Container disposal:**

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

---

## 14. Transport Information

### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 8/9  
(30089229/SDS\_GEN\_US/EN)

### 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 TSCA, US released / listed

Food TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

#### **Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

Based on BASF Corporation's knowledge of the product composition and manufacturing process, exposure to this product is not expected to contain substances subject to prior warning under California Proposition 65 regulations. Since BASF does not expect California Proposition 65 listed substances to be present, we do not routinely analyze this product for these substances.

#### **NFPA Hazard codes:**

Health: 2 Fire: 0 Reactivity: 0 Special:

#### **HMIS III rating**

Health: 2 Flammability: 0 Physical hazard: 0

#### **Assessment of the hazard classes according to UN GHS criteria (most recent version):**

Acute Tox.	5 (oral)	Acute toxicity
Acute Tox.	4 (Inhalation - dust)	Acute toxicity

---

## 16. Other Information

#### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2018/01/09

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



# Safety Data Sheet

## Trilon® NA Food Grade

Revision date : 2018/01/09  
Version: 5.0

Page: 9/9  
(30089229/SDS\_GEN\_US/EN)

---

operations on society and the environment during production, storage, transport, use and disposal of our products.

---

Trilon® NA 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