

## SAFETY DATA SHEET

Version 6.15  
Revision Date 09/09/2024  
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name : Yeast Nitrogen Base Without Amino Acids

Product Number : Y0626

Brand : Sigma

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Synthesis of substances

Uses advised against : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

**1.3 Details of the supplier of the safety data sheet**

Company : Sigma-Aldrich Inc.  
3050 SPRUCE ST  
ST. LOUIS MO 63103  
UNITED STATES

Telephone : +1 314 771-5765

Fax : +1 800 325-5052

**1.4 Emergency telephone**

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Short-term (acute) aquatic hazard (Category 3), H402

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram none

Sigma - Y0626

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Signal Word	none
Hazard Statements H402	Harmful to aquatic life.
Precautionary Statements P273 P501	Avoid release to the environment. Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Component		Classification	Concentration
<b>ammonium sulphate</b>			
CAS-No.	7783-20-2	Aquatic Acute 3; H402	>= 70 - < 90 %
EC-No.	231-984-1		
Registration number	01-2119455044-46-XXXX		
<b>calcium chloride</b>			
CAS-No.	10043-52-4	Eye Irrit. 2A; H319	>= 1 - < 5 %
EC-No.	233-140-8		
Index-No.	017-013-00-2		
Registration number	01-2119494219-28-XXXX		
<b>Copper(II) sulphate</b>			
CAS-No.	7758-98-7	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; Aquatic Acute 1; Aquatic Chronic 1; H302, H315, H319, H400, H410 M-Factor - Aquatic Acute: 10 - Aquatic Chronic: 1	< 0.1 %
EC-No.	231-847-6		
Index-No.	029-004-00-0		
Registration number	01-2119520566-40-XXXX		
<b>Zinc sulphate monohydrate</b>			
CAS-No.	7446-19-7	Acute Tox. 4; Eye Dam. 1; Aquatic Acute 1; Aquatic Chronic 1; H302, H318, H400, H410 M-Factor - Aquatic Acute: 10 M-Factor - Aquatic Chronic: 1	< 0.1 %
EC-No.	231-793-3		
Index-No.	030-006-00-9		
Registration number	01-2119474684-27-XXXX		

For the full text of the H-Statements mentioned in this Section, see Section 16.

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## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### **If inhaled**

After inhalation: fresh air.

#### **In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

#### **In case of eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

#### **If swallowed**

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Nitrogen oxides (NO<sub>x</sub>)

Sulfur oxides

Oxides of phosphorus

Hydrogen chloride gas

Potassium oxides

Sodium oxides

Magnesium oxide

Calcium oxide

Not combustible.

Ambient fire may liberate hazardous vapours.

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

### 5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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## **SECTION 6: Accidental release measures**

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **6.4 Reference to other sections**

For disposal see section 13.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

For precautions see section 2.2.

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

#### **Storage conditions**

Tightly closed. Dry.

#### **Storage class**

Storage class (TRGS 510): 13: Non Combustible Solids

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Ingredients with workplace control parameters**

Component	CAS-No.	Value	Control parameters	Basis
Copper(II) sulphate	7758-98-7	TWA	1 mg/m3	USA. NIOSH Recommended Exposure Limits
		PEL	1 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

## 8.2 Exposure controls

### Appropriate engineering controls

Change contaminated clothing. Wash hands after working with substance.

### Personal protective equipment

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### Respiratory protection

Recommended Filter type: Filter type P2

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

### **Control of environmental exposure**

Do not let product enter drains.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

a) Appearance	Form: solid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	4.9 - 5.9 at 25 °C (77 °F)
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	( )No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	The product is not flammable.
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Density	No data available
Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	Not applicable
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3 Possibility of hazardous reactions

Violent reactions possible with:

### 10.4 Conditions to avoid

no information available

### 10.5 Incompatible materials

Zinc, Strong bases, Strong oxidizing agents, Strong acids, Borane/boron oxides, Methyl vinyl ether, Calcium oxide, Calcium chloride is attacked by bromine trifluoride

### 10.6 Hazardous decomposition products

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Mixture

#### Acute toxicity

Oral: No data available

Acute toxicity estimate Oral - 4,259 mg/kg  
(Calculation method)

Inhalation: No data available

Dermal: No data available

Acute toxicity estimate Dermal - 3,289 mg/kg  
(Calculation method)  
No data available

#### Skin corrosion/irritation

Remarks: No data available

#### Serious eye damage/eye irritation

Remarks: No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

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No data available

### **Carcinogenicity**

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

### **Reproductive toxicity**

No data available

No data available

### **Specific target organ toxicity - single exposure**

No data available

### **Specific target organ toxicity - repeated exposure**

No data available

### **Aspiration hazard**

No data available

## **11.2 Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Stomach - Irregularities - Based on Human Evidence

### **Components**

#### **ammonium sulphate**

##### **Acute toxicity**

LD50 Oral - Rat - male and female - 4,250 mg/kg  
(OECD Test Guideline 401)

Inhalation: No data available

LD50 Dermal - Rat - male and female - > 2,000 mg/kg  
(OECD Test Guideline 434)

##### **Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 20 h

Remarks: (ECHA)

##### **Serious eye damage/eye irritation**

Eyes - Rabbit

Result: No eye irritation

Remarks: (ECHA)

##### **Respiratory or skin sensitization**

Maximization Test - Guinea pig

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Result: negative  
(US-EPA)

**Germ cell mutagenicity**

Test Type: Ames test  
Test system: S. typhimurium  
Result: negative  
Test Type: Mutagenicity (mammal cell test): chromosome aberration.  
Test system: Human lymphocytes  
Result: negative  
Test Type: In vitro mammalian cell gene mutation test  
Test system: Chinese hamster lung cells  
Result: negative  
Species: Mouse - male - Bone marrow  
Remarks: (ECHA)

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

**Aspiration hazard**

No data available

**calcium chloride**

**Acute toxicity**

LD50 Oral - Rabbit - male - 500 - 1,000 mg/kg  
(OECD Test Guideline 401)  
Oral: No data available  
Symptoms: After uptake of large quantities:, Stomach/intestinal disorders, Nausea  
Symptoms: Possible damages:, mucosal irritations  
LD50 Dermal - Rabbit - male and female - > 5,000 mg/kg  
Remarks: (ECHA)  
No data available

**Skin corrosion/irritation**

Skin - Rabbit  
Result: No skin irritation - 4 h  
(OECD Test Guideline 404)

**Serious eye damage/eye irritation**

Eyes - Rabbit  
Result: Moderate eye irritation  
(OECD Test Guideline 405)

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

Test Type: Mutagenicity (mammal cell test): chromosome aberration.

Test system: Chinese hamster fibroblasts

Result: negative

Test Type: Ames test

Test system: *S. typhimurium*

Result: negative

Remarks: (Lit.)

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

Acute oral toxicity - After uptake of large quantities:, Stomach/intestinal disorders, Nausea

Acute inhalation toxicity - Possible damages:, mucosal irritations

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Copper(II) sulphate****Acute toxicity**

LD50 Oral - Rat - male and female - 481 mg/kg

(OECD Test Guideline 401)

Inhalation: No data available

LD50 Dermal - Rat - male and female - > 2,000 mg/kg

(OECD Test Guideline 402)

No data available

**Skin corrosion/irritation**

Remarks: Causes skin irritation.

**Serious eye damage/eye irritation**

Remarks: Causes serious eye irritation.

**Respiratory or skin sensitization**

Freund's complete adjuvant test - Guinea pig

Result: negative

(OECD Test Guideline 406)

The value is given in analogy to the following substances: Copper sulphate pentahydrate

**Germ cell mutagenicity**

Test Type: Ames test

Test system: *Salmonella typhimurium*

Result: negative

Method: OECD Test Guideline 486

Species: Rat - male - Liver cells

Result: negative  
Method: Mutagenicity (micronucleus test)  
Species: Mouse - male and female - Red blood cells (erythrocytes)  
Result: negative

**Carcinogenicity**

No data available

**Reproductive toxicity**

Possible risk of congenital malformation in the fetus.  
Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Zinc sulphate monohydrate**

**Acute toxicity**

LD50 Oral - Mouse - male - 926 mg/kg

(OECD Test Guideline 401)

Remarks: (anhydrous substance)

(in analogy to similar products)

The value is given in analogy to the following substances: Zinc sulphate

Inhalation: No data available

LD50 Dermal - Rat - male and female - > 2,000 mg/kg

(OECD Test Guideline 402)

Remarks: (anhydrous substance)

(in analogy to similar products)

The value is given in analogy to the following substances: Zinc sulphate

**Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

Remarks: (anhydrous substance)

(in analogy to similar products)

The value is given in analogy to the following substances: Zinc sulphate

**Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Causes serious eye damage.

(OECD Test Guideline 405)

Remarks: (anhydrous substance)

(in analogy to similar products)

The value is given in analogy to the following substances: Zinc sulphate

**Respiratory or skin sensitization**

Local lymph node assay (LLNA) - Mouse

Result: negative  
Remarks: (ECHA)  
(anhydrous substance)  
(in analogy to similar products)  
The value is given in analogy to the following substances: Zinc sulphate

**Germ cell mutagenicity**

Test Type: Ames test  
Test system: Salmonella typhimurium  
Result: negative  
Remarks: (ECHA)  
(anhydrous substance)  
(in analogy to similar products)  
The value is given in analogy to the following substances: Zinc sulphate  
Species: Mouse - male and female - Red blood cells (erythrocytes)  
Result: negative  
Remarks: (anhydrous substance)  
(ECHA)  
(in analogy to similar products)  
The value is given in analogy to the following substances: Zinc sulphate

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Mixture**

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

No data available

### Components

#### ammonium sulphate

Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 53 mg/l - 96 h Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Ceriodaphnia (water flea) - 121.7 mg/l - 48 h (US-EPA)
Toxicity to algae	static test ErC50 - Chlorella vulgaris (Fresh water algae) - 2,700 mg/l - 18 Days Remarks: (ECHA)
Toxicity to bacteria	static test EC50 - activated sludge - 1,618 mg/l - 30 min (OECD Test Guideline 209)
Toxicity to fish(Chronic toxicity)	flow-through test EC10 - Lepomis macrochirus - 5.29 mg/l - 30 d Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)	semi-static test EC10 - Daphnia - 3.12 mg/l - 70 d (US-EPA)

#### calcium chloride

Toxicity to fish	static test LC50 - Pimephales promelas (fathead minnow) - 4,630 mg/l - 96 h (US-EPA)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - 2,400 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	EC50 - Pseudokirchneriella subcapitata - 2,900 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)	EC50 - Daphnia magna (Water flea) - 610 mg/l - 21 d

#### Copper(II) sulphate

Toxicity to fish	static test LC50 - Oncorhynchus mykiss (rainbow trout) - 0.032 mg/l - 96 h Remarks: (ECOTOX Database)
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Toxicity to daphnia and other aquatic invertebrates      static test EC50 - Daphnia magna (Water flea) - 0.092 mg/l - 48 h  
(OECD Test Guideline 202)  
Remarks: (anhydrous substance)

Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)      semi-static test NOEC - Daphnia magna (Water flea) - 0.028 mg/l - 21 d  
(OECD Test Guideline 211)

#### **Zinc sulphate monohydrate**

Toxicity to fish      static test LC50 - Pimephales promelas (fathead minnow) - 0.330 mg/l - 96 h  
Remarks: (anhydrous substance)  
(ECHA)  
(in analogy to similar products)  
The value is given in analogy to the following substances: Zinc sulphate

Toxicity to daphnia and other aquatic invertebrates      static test EC50 - Daphnia magna (Water flea) - 1.4 mg/l - 48 h  
(OECD Test Guideline 202)  
Remarks: (anhydrous substance)  
(in analogy to similar products)  
The value is given in analogy to the following substances: Zinc sulphate

Toxicity to algae      EC50 - Chlorella vulgaris (Fresh water algae) - 64.8 mg/l - 72 h  
Remarks: (IUCLID)  
(anhydrous substance)  
(in analogy to similar products)  
The value is given in analogy to the following substances: Zinc sulphate

Toxicity to bacteria      static test EC50 - activated sludge - 5.2 mg/l - 3 h  
(OECD Test Guideline 209)  
Remarks: (anhydrous substance)  
(in analogy to similar products)  
The value is given in analogy to the following substances: Zinc sulphate

Toxicity to fish(Chronic toxicity)      flow-through test NOEC - Salmo trutta - 0.056 mg/l - 116 d  
(OECD Test Guideline 210)  
Remarks: (anhydrous substance)  
(in analogy to similar products)

The value is given in analogy to the following substances: Zinc sulphate

Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)

semi-static test NOEC - Shrimp - 0.0318 mg/l - 7 d (US-EPA)

Remarks: (anhydrous substance) (in analogy to similar products)

The value is given in analogy to the following substances: Zinc sulphate

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

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## SECTION 14: Transport information

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

#### Further information

Not classified as dangerous in the meaning of transport regulations.

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## SECTION 15: Regulatory information

#### CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

## SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

ammonium sulphate	7783-20-2	>= 70 - < 90 %
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## Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

## Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

iron(III) chloride	7705-08-0	>= 0 - < 0.1 %
Copper(II) sulphate	7758-98-7	>= 0 - < 0.1 %
Zinc sulphate monohydrate	7446-19-7	>= 0 - < 0.1 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

iron(III) chloride	7705-08-0	>= 0 - < 0.1 %
Copper(II) sulphate	7758-98-7	>= 0 - < 0.1 %
Zinc sulphate monohydrate	7446-19-7	>= 0 - < 0.1 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

## US State Regulations

### Massachusetts Right To Know

ammonium sulphate	7783-20-2
sodium chloride	7647-14-5

### Pennsylvania Right To Know

ammonium sulphate	7783-20-2
iron(III) chloride	7705-08-0
Manganese Sulfate Monohydrate	10034-96-5
Copper(II) sulphate	7758-98-7
Zinc sulphate monohydrate	7446-19-7

### Maine Chemicals of High Concern



sodium chloride

7647-14-5

**Vermont Chemicals of High Concern**

sodium chloride

7647-14-5

Disodium molybdate dihydrate

10102-40-6

**Washington Chemicals of High Concern**

sodium chloride

7647-14-5

**The ingredients of this product are reported in the following inventories:**

TSCA : All substances listed as active on the TSCA inventory

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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**SECTION 16: Other information**

**Further information**

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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