

# SAFETY DATA SHEET

## Bf6 3n1 BLEACHES & FIXER CHROME BATH BLEACH AND FIXER BATH PART A

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: **Cinestill Inc.**

100 Latona Road, Rochester, NY 14652

Product Name: **Bf6 Bleaches & Fixer Bath Part A**

Product Number: **Bf6, 10128**

**Product Use: Pre-Bleach & Blix Bath**

**Customer Information Phone Number:**

1-877-247-3456

**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**

Date Reviewed: 6/6/2022

Version: 3.0

### 2. HAZARDOUS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Health hazard

Causes eye irritation (Category 2B), H320

Causes skin irritation (Category 2), H314

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

##### Pictogram



**Signal Word: WARNING**

##### Hazard statement(s)

H305	May be harmful if swallowed and enters airways/
H314	Causes skin irritation
H317	May cause allergic skin reaction
H320	Causes eye irritation
H335	May cause respiratory irritation

##### Precautionary statement(s)

P261	Avoid breathing mist
P264	Wash skin thoroughly after handling
P270	Do not eat, drink, or smoke when using this product
P280	Wear protective gloves, eye protection
P301 + P312	IF SWALLOWED; call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352	IF ON SKIN: Wash with plenty of soap

# SAFETY DATA SHEET

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P330 Rinse mouth.  
P333 +P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse  
P391 Collect spillage  
P501 Dispose of contents to an approved waste disposal plant.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
AMMONIUM THIOSULFATE	7783-18-8	N.E.	N.E.	65-75
SODIUM SULFITE	7757-83-7	N.E.	5 mg/m <sup>3</sup>	1-3

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. DO NOT remove contact lenses, if worn. Get immediate medical attention.

**Inhalation:** If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** Seek medical attention or contact a poison control center for advice about whether to induce vomiting. If conscious, give two glasses of water. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on left side with head down.

**Skin Contact:** Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

**Aggravated Medical Conditions:** Skin contact may aggravate an existing dermatitis.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Nonflammable -Use agent appropriate for surrounding fire.

### 5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous decomposition products.

Combustion Products: Carbon dioxide, carbon monoxide, and oxides of sulfur and nitrogen.

### 5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

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

Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use

# SAFETY DATA SHEET

appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. For small amounts less than one gallon flush to the sewer with large amounts of water. For larger spills, prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

## 6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

### 7.2 Conditions for safe storage, including any incompatibles

Do not store with incompatible materials. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

See Section 3.

### 8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### Personal protective equipment

**Eye Protection:** Safety glasses with side shields (or goggles).

**Respiratory Protection:** When this product is used in the intended way, no respiratory protection is anticipated to be necessary.

**Skin protection:** Latex, rubber, or neoprene waterproof gloves are recommended.

**Body protection:** Rubber or plastic apron.

**Ventilation protection:** Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance And Odor:** Clear, colorless solution; ammonia odor.

# SAFETY DATA SHEET

**Solubility In Water:** Complete  
**Boiling Point:** 100° C  
**Specific Gravity:** 1.24  
**Vapor Pressure:** 18m Hg @ 20° C  
**Melting Point:** Not applicable  
**Freezing Point:** Not established  
**Evaporation Rate:** Not established  
**Vapor Density:** Not established  
**Percent Volatile:** 56.56  
**Ph:** 7.38  
**Molecular Weight:** Not applicable  
**Pounds Per Gallon:** 10.33  
**V.O.C. = 0**

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable

### 10.2 Chemical stability

Conditions To Avoid: None

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Strong acids and alkali.

### 10.5 Incompatible Materials

Strong acids will liberate sulfur dioxide. Strong bases of sodium hydroxide will liberate ammonia fumes.

### 10.6 Decomposition Products

May produce oxides of sulfur and ammonia.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

#### Component information

#### ***Ammonium thiosulfate 7783-18-8***

#### **Acute toxicity:**

Oral: LD50 (rats): 2,890 mg/kg

Dermal: No data

Inhalation: No data

**Skin irritation:** Rabbit  
Non irritant

**Eye irritation:** Rabbit  
No eye irritation (OECD Test Guideline 405).

# SAFETY DATA SHEET

**Carcinogenicity/mutagenicity:** none

## ***Sodium Sulfite 7757-83-7***

### **Acute toxicity:**

Oral LD-50 (rat) 3, 560 mg/kg  
Inhalation LC-50 (rabbit) >5.500 mg/kg - 4 h  
Dermal: no data available

**Skin irritation:** Rabbit No skin irritation

**Eye irritation:** Rabbit Mild eye irritation

**Respiratory or Skin Sensitization** Prolonged or repeated exposure may cause allergic skin  
Reaction in certain sensitive individuals.

**Carcinogenicity/mutagenicity:** none

## **12. ECOLOGICAL INFORMATION**

### **Component information**

#### ***Ammonium thiosulfate 7783-18-8***

##### **12.1 Toxicity**

Toxicity to fish LC0-Lepomis macrochirus (bluegill) - 510 mg/l – 96h  
Toxicity to daphnia and  
other aquatic invertebrates LC50 – Daphnia magna (Water flea) – 230 mg/l – 21d

Toxicity to algae EC50 – Pseudokirchneriella subcapitata - > 100 mg/l – 72 h  
(OECD Test Guideline 201).

Toxicity to bacteria Respiration inhibition EC50 – Sludge Treatment - > 1,000 mg/l –  
3h (OECD Test Guideline 201).

##### **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 Result of PBT and vPvB assessment**

Assessment not available as chemical assessment not required/not conducted

#### ***Sodium Sulfite 7757-83-7***

##### **12.1 Toxicity**

Toxicity to fish LC- Gambusia affinis (Mosquito fish) – 660 mg/l – 96h

# SAFETY DATA SHEET

## 12.2 Persistence and degradability

No data available

## 12.3 Bioaccumulative potential

No data available

## 12.4 Mobility in soil

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not regulated

## 15. REGULATORY INFORMATION

### SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:  
None

### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:  
None

### SARA 311/312 Hazards

Acute Health Hazard

### California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

### TSCA

All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

### SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 0 g/L

Vapor Pressure: 18 mm Hg@ 20 Degrees C

# SAFETY DATA SHEET

## 16. OTHER INFORMATION

### Full text of H-statements referred to under sections 2 and 3.

H305	May be harmful if swallowed and enters airways (Category 2)
H314	Causes skin irritation (Category 2)
H317	May cause allergic skin reaction (Category 1)
H320	Causes eye irritation (Category 2B)
H335	May cause respiratory irritation (Category 3)

### HMIS RATING

Health: 1  
Flammability: 0  
Reactivity: 0  
Protective: C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.

# **Bf6 3n1 BLEACHES & FIXER CHROME BATH BLEACH AND FIXER BATH PART B**

## **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Distributor: **Cinestill Inc.**

100 Latona Road, Rochester, NY 14652

Product Name: **Bf6 Bleaches & Fixer Bath Part B**

Product Number: **Bf6, 10128**

**Product Use: Pre-Bleach & Blix Bath**

**Customer Information Phone Number:**

1-877-247-3456

**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**

Date Reviewed: 6/6/2022

Version: 3.0

## **2. HAZARDOUS IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

#### **Health hazard**

Acute toxicity Category 4 (Inhalation –mist)

Skin corrosion/irritation (Category2)

Serious eye damage/irritation (Category 2A)

Hazardous to the environment (Category 3)

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

#### **Pictogram**



**Signal Word: WARNING**

#### **Hazard statement(s)**

H315	May cause skin irritation
H319	May cause serious eye irritation
H332	Harmful if inhaled
H402	Harmful to aquatic life

#### **Precautionary statement(s)**

P261	Avoid breathing mist
P270	Do not eat, drink, or smoke when using this product
P273	Avoid release into the environment
P264	Wash with plenty of soap and water thoroughly after handling.
P280	Wear protective gloves, eye protection

# SAFETY DATA SHEET

P302 + P352 IF ON SKIN: Wash with plenty of soap

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor if irritation persists.

P304 +P340 IN INHALED: remove person to fresh air and keep comfortable for breathing

P333 +P313 If skin irritation or rash occurs: Get medical advice/attention.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
FERRIC AMMONIUM EDTA	21265-50-9	50 ppm	25 ppm	80-85

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**Inhalation:** If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** If swallowed, give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Skin Contact:** Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Use agent appropriate for surrounding fire: water spray, dry powder, foam.

### 5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous vapors.

Combustion Products: Carbon dioxide, carbon monoxide.

### 5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

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

Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

### 6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval

# SAFETY DATA SHEET

of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

### 7.2 Conditions for safe storage, including any incompatibles

Do not store with incompatible materials. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

See Section 3.

### 8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### Personal protective equipment

**Eye Protection:** Safety goggles.

**Respiratory Protection:** When this product is used in the intended way, no respiratory protection is anticipated to be necessary.

**Skin protection:** Latex, rubber, or neoprene waterproof gloves are recommended.

**Body protection:** Rubber or plastic apron.

**Respiratory protection:** Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance And Odor: Reddish brown solution; ammonia odor

Solubility In Water: Complete

Boiling Point: > 100 °C

Flash Point: Nonflammable

Flash Point Method: Not applicable

Auto ignition: Not applicable

LEL: Not applicable

UEL: Not applicable

Specific Gravity: 1.25

Vapor Pressure: 18m Hg @ 20°C

# SAFETY DATA SHEET

Melting Point: Not applicable  
Freezing Point: Not established  
Evaporation Rate: Not established  
Vapor Density: Not established  
Percent Volatile: 59.26  
Ph: 7.34  
Pounds Per Gallon: 10.43  
Molecular Weight: Not applicable  
V.O.C. is 0.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable

### 10.2 Chemical stability

Conditions To Avoid: Metals such as aluminum, copper, copper alloys, nickel, and zinc.  
Aqueous solution in contact with aluminum evolves hydrogen.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible Materials

Strong oxidizers, alkalis, acids.

### 10.6 Decomposition Products

May produce oxides of nitrogen, carbon dioxide, carbon monoxide, and ammonia.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

#### Component information

#### ***Ferric Ammonium EDTA 21265-50-6***

**Acute toxicity:** Assessment of acute toxicity: virtually nontoxic after a single ingestion

Oral: LD50 (rats): is expected to be greater than 5,000 mg/kg based on similar products.

Dermal: ATE Value: > 5,000 mg/kg

Inhalation: ATE Value: > 20.00 mg/l determined for vapor.  
ATE Value: > 5.00 mg/l determined for mist.

**Skin irritation:** Rabbit  
irritant

**Eye irritation:** Rabbit  
Irritant

# SAFETY DATA SHEET

## 12. ECOLOGICAL INFORMATION

### Component information

#### *Ferric Ammonium EDTA 21265-50-6*

#### 12.1 Toxicity

Toxicity to fish LC50-Lepomis macrochirus 475 mg/l – 96h

#### 12.2 Biodegradation

This product is not readily biodegradable. Experience has shown that the product is difficult to eliminate in effluent treatment plants.

#### 12.3 Bioaccumulative potential

No data

#### 12.4 Chemical fate

Biochemical oxygen demand (BOD) Incubation period 5d: 0.01 mg/g

#### 12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### **Product**

Preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not regulated

## 15. REGULATORY INFORMATION

### **SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:  
None

### **SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:  
None

### **SARA 311/312 Hazards**

None

# SAFETY DATA SHEET

## California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## TSCA

All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

## SCAQMD Rule 443.1

Photochemically Reactive: No  
Maximum Grams of VOC per Liter: 0  
Vapor Pressure: 18 mm Hg@ 20 Degrees C

## 16. OTHER INFORMATION

**Full text of H-statements referred to under sections 2 and 3.**

Acute toxicity Category 4 (Inhalation –mist)  
Skin corrosion/irritation (Category2)  
Serious eye damage/irritation (Category 2A)  
Hazardous to the environment (Category 3)

## HMIS RATING

Health: 1  
Flammability: 0  
Reactivity: 0

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.

# **Bf6 3n1 BLEACHES & FIXER CHROME BATH BLEACH AND FIXER BATH PART C**

## **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Distributor: **Cinestill Inc.**

100 Latona Road, Rochester, NY 14652

Product Name: **Bf6 Bleaches & Fixer Bath Part C**

Product Number: **Bf6, 10128**

**Product Use: Pre-Bleach & Blix Bath**

**Customer Information Phone Number:**

1-877-247-3456

**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**

Date Reviewed: 6/6/2022

Version: 3.0

## **2. HAZARDOUS IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

#### **Health hazard**

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

Harmful to aquatic life (Category 3), H402

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

#### **Pictogram**



**Signal Word: WARNING**

#### **Hazard statement(s)**

H302 Harmful if swallowed

H318 Causes severe eye damage

H402 Harmful to aquatic life.

#### **Precautionary statement(s)**

P201 Obtain special instructions before use

P264 Wash skin thoroughly after handling

P270 Do not eat, drink, or smoke when using this product

P273 Avoid release into the environment

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

# SAFETY DATA SHEET

P301 + P312 IF SWALLOWED; call a POISON CENTER or doctor/physician Do NOT induce vomiting  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents to an approved waste disposal plant.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
SODIUM METABISULFITE	7681-57-4	N.E.	5 mg/m <sup>3</sup>	15-20

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**Inhalation:** If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Skin Contact:** Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Nonflammable. Use agent appropriate for surrounding fire.

### 5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous decomposition products.  
Combustion Products: Carbon dioxide, carbon monoxide, and oxides of sulfur.

### 5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes. Fire or excessive heat may produce hazardous decomposition products. Use water to keep containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

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

Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

### 6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval

# SAFETY DATA SHEET

of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

### 7.2 Conditions for safe storage, including any incompatibles

Avoid contact with skin and eyes. Do not store with incompatible materials. Do not store with strong acids. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

See Section 3.

### 8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### Personal protective equipment

**Eye Protection:** Safety glasses with side shields (or goggles).

**Respiratory Protection:** If use conditions generate decomposition vapors or fumes; use a NIOSH approved respirator with acid gas cartridges.

**Skin protection:** Latex, rubber, or neoprene waterproof gloves are recommended.

**Body protection:** Rubber or plastic apron.

**Respiratory protection:** Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits, typically 10 air changes per hour.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance And Odor: Light straw color, pungent odor.

Solubility In Water: Complete

Boiling Point: > 100° C

Flash Point: Nonflammable

Flash Point Method: Not applicable

Auto ignition: Not applicable

LEL: Not applicable

UEL: Not applicable

# SAFETY DATA SHEET

Vapor Pressure: Not established  
Ph: 3.46  
Specific Gravity: 1.14 g/ml  
Melting Point: Not applicable  
Freezing Point: Not established  
Evaporation Rate: Not established  
Vapor Density: Not established  
Percent Volatile: 81.9  
Molecular Weight: Not applicable  
Pounds Per Gallon: 9.50  
V.O.C. is 0.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable

### 10.2 Chemical stability

None

### 10.3 Possibility of hazardous reactions

None

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible Materials

Strong acids and strong oxidizing agents.

### 10.6 Decomposition Products

May produce oxides of sulfur and carbon

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

#### Component information

#### ***Sodium Metabisulfite 7681-57-4***

#### **Acute toxicity:**

No data available

LD50 Oral - Rat - 1,540 mg/kg (OECD Test Guideline 401)

Inhalation: No data available Inhalation:

Dermal: No data available

LD50 Dermal - Rat - > 2,000 mg/kg

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

No data available

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

Eyes - Rabbit

Result: Risk of serious damage to eyes. (OECD Test Guideline 405)

# SAFETY DATA SHEET

## Respiratory or skin sensitisation

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

## Germ cell mutagenicity

No data available

## Carcinogenicity

**IARC: 3** - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium sulphite) **IARC: 3** -

Group 3: Not classifiable as to its carcinogenicity to humans (Sodium metabisulphite)

**NTP:** No component 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 identified as a carcinogen or potential carcinogen by OSHA.

## 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

## 12. ECOLOGICAL INFORMATION

### Component information

#### ***Sodium Metabisulfite 7681-57-4***

##### **12.1 Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 150 - 220 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) 89 mg/l - 24 h

Toxicity to algae IC50 - Desmodesmus subspicatus (green algae) - 48 mg/l - 72 h

Toxicity to bacteria - Pseudomonas putida - 56 mg/l - 17 h 12.2

**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 Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life.

# SAFETY DATA SHEET

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not a Dangerous Good

## 15. REGULATORY INFORMATION

### SARA 302 Components

The following components are subject to reporting: None

### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313: None

### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

### California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

### TSCA

All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

### SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 0 g/L

Vapor Pressure: 18 mm Hg@ 20 Degrees C

## 16. OTHER INFORMATION

**Full text of H-statements referred to under sections 2 and 3.**

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

Harmful to aquatic life (Category 3), H402

# SAFETY DATA SHEET

## HMIS RATING

Health: 2

Chronic: \*

Flammability: 0

Reactivity: 0

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.