

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

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
AMMONIUM THIOSULFATE	7783-18-8	N.E.	N.E.	65-75
SODIUM SULFITE	7757-83-7	N.E	5 mg/m ³	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 LC50 – Daphnia magna (Water flea) – 230 mg/l – 21d
other aquatic invertebrates

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

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
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

Chemical Name	CAS	OSHA PEL	ACGIH TLV	Weight %
SODIUM METABISULFITE	7681-57-4	N.E.	5 mg/m ³	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)

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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.