


SAFETY DATA SHEET		
AMMONIUM BISULFITE		
Revision: 2. US (EN)	Issuing date: 05/09/2016	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : AMMONIUM BISULFITE

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

no data available

1.3 Details of the supplier of the safety data sheet

Company : Eco Services Operations
2002 Timberloch Place
Suite 300
The Woodlands, TX 77380
Phone number : (844) 812-1812

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

2.1 Classification of the substance or mixture

HCS 2012 (29 CFR 1910.1200)

Eye irritation, Category 2A H319: Causes serious eye irritation.

2.2 Label elements

HCS 2012 (29 CFR 1910.1200)

Pictogram : 

Signal Word : Warning

Hazard Statements:

H319 Causes serious eye irritation.

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Precautionary Statements:

Prevention

P264
P280Wash skin thoroughly after handling.
Wear eye protection/ face protection.

Response

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

P337 + P313

2.3 Other hazards which do not result in classification

no data available

SECTION 3: Composition/information on ingredients**3.1 Substance**

Not applicable, this product is a mixture.


3.2 Mixture**Hazardous Ingredients and Impurities**

Chemical Name	Identification number CAS-No.	Concentration [%]
Ammonium sulfate	7783-20-2	25 - 30
Ammonium Bisulfite	10192-30-0	10 - 15
Ammonium Sulfite	10196-04-0	< 5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Non Hazardous Ingredients and Impurities

Chemical Name	Identification number CAS-No.	Concentration [%]
Water	7732-18-5	50 - 65

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SECTION 4: First aid measures

4.1 Description of first-aid measures

- If inhaled : If inhaled, remove to fresh air.
If breathing is difficult, give oxygen.
If victim has stopped breathing:
administer CPR (cardio-pulmonary resuscitation)
Consult a physician.
- Skin contact : In case of contact, immediately flush skin with plenty of water.
Call a physician if irritation develops or persists.
Remove contaminated clothing and shoes.
Wash contaminated clothing before re-use.
Thoroughly clean shoes before reuse.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Immediate medical attention is required.
- Ingestion : DO NOT induce vomiting unless directed to do so by a physician or poison control center.
If victim is fully conscious, give a cupful of water.
Never give anything by mouth to an unconscious person.
Immediate medical attention is required.
Do not leave the victim unattended.
Risk of product entering the lungs on vomiting after ingestion.
Lay victim on side.
Vomiting may occur spontaneously
If vomiting occurs and the victim is conscious, give water to further dilute the chemical

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis
Skin contact may aggravate existing skin disease
People who are hypersensitive to this product or sulfites should not work with it

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician : All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

This product contains sulfites. Hypersensitivity reactions may occur following inhalation or ingestion of sulfites. Reactions occur more frequently in asthmatics and may include bronchoconstriction, diaphoresis, flushing, urticaria, tachycardia, hypotension, and anaphylaxis. It is essential that all administered medications contain no sulfites as preservatives.
Treat symptomatically.
There is no specific antidote available.

SECTION 5: Firefighting measures

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Flash point : Not applicable

Autoignition temperature : no data available

Flammability / Explosive limit : no data available

5.1 Extinguishing media

Suitable extinguishing media : Not combustible.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Not combustible.
Do not allow run-off from fire fighting to enter drains or water courses.
Harmful or toxic vapors are released.
Hazardous combustion products
Ammonia
Nitrogen oxides (NOx)
Hydrogen sulfide
Sulfur oxides

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.


Specific fire fighting methods : Do not allow run-off from fire fighting to enter drains or water courses.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Evacuate area.
Stay upwind.
Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions, protective equipment and emergency procedures : Ventilate the area.
Wear suitable protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.
Do not flush into surface water or sanitary sewer system.
Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

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6.3 Methods and materials for containment and cleaning up

- Methods for containment : Stop leak if safe to do so.
Dam up with sand or inert earth (do not use combustible materials).
- Decontamination / cleaning : Pump or collect any free spillage into an appropriate closed container. (see Section 7: Handling and Storage)
Wash nonrecoverable remainder with large amounts of water.
Recover the cleaning water for subsequent disposal.

6.4 Reference to other sections

- Reference to other sections : 7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling and usage : Avoid inhalation, ingestion and contact with skin and eyes.
Avoid inhalation of vapor or mist.
- Hygiene measures : Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3) Wash exposed skin promptly to remove accidental splashes or contact with material.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

- Recommended : Keep container tightly closed.
Store in an area:
cool
dry

Storage stability


- Storage temperature : no data available

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work

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environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Control measures

Engineering measures : Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures :

Effective exhaust ventilation system
Extract at emission point.

Personal protective equipment

Respiratory protection : When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate local standard(s):
Recommended Filter type: Acidic gas/vapor type

Eye protection : Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

Eye contact should be prevented through the use of:

Safety glasses with side-shields

Skin and body protection : Wear suitable protective clothing, gloves and eye/face protection.

Hygiene measures : Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:

- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

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Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

Appearance	:	Physical state: liquid Color: yellow
Odor	:	pungent
Odor Threshold	:	no data available
pH	:	5.5 (100 % (m/v))
Boiling point/boiling range	:	214 °F (101 °C) (760 mmHg (1,013.25 hPa))
Flash point	:	Not applicable
Evaporation rate (Butylacetate = 1)	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Flammability / Explosive limit	:	no data available
Autoignition temperature	:	no data available
Vapor pressure	:	no data available
Vapor density	:	no data available
Density	:	Relative density : 1.2 (68 °F (20 °C))
Solubility	:	<u>Water solubility</u> : miscible
Partition coefficient: n-octanol/water	:	no data available
Thermal decomposition	:	no data available
Viscosity	:	no data available

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Explosive properties : no data available

Oxidizing properties : no data available

9.2 Other information

no data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

no data available

10.2 Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4 Conditions to avoidConditions to avoid : Avoid high temperatures.
Heat.**10.5 Incompatible materials**Materials to avoid : Carbon steel
Copper
Copper alloys
Strong bases
Strong acids
Strong oxidizing agents**10.6 Hazardous decomposition products**Decomposition products : Ammonia
Nitrogen oxides (NOx)
Hydrogen sulfide
Sulfur oxides**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity

Ammonium sulfate

LD50 : 4,250 mg/kg - Rat , male and female
Method: OECD Test Guideline 401

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The product has a low acute toxicity
Unpublished reports

Ammonium Bisulfite	: By analogy	LD50: 2,746 mg/kg - Rat
Ammonium Sulfite	: By analogy	LD50: 2,746 mg/kg - Rat
Acute inhalation toxicity Ammonium Bisulfite	: By analogy	LC50 - 4 h : > 5.5 mg/l - Rat
Ammonium Sulfite	: By analogy	LC50 - 4 h : > 5.5 mg/l - Rat
Acute dermal toxicity Ammonium sulfate	: LD50 : > 2,000 mg/kg - Rat , male and female Method: Fixed Dose Method Not classified as hazardous for acute toxicity according to GHS Published data	
Ammonium Bisulfite	: By analogy	LD50 : > 2,000 mg/kg - Rat
Ammonium Sulfite	: By analogy	LD50 : > 2,000 mg/kg - Rat
Acute toxicity (other routes of administration)	: no data available	
Skin corrosion/irritation		
Skin irritation		
Ammonium sulfate	: Rabbit	Not classified as irritating to skin Unpublished reports
Ammonium Bisulfite	: By analogy	Rabbit Not irritating to rabbits on cutaneous application.
Ammonium Sulfite	: By analogy	Rabbit Not irritating to rabbits on cutaneous application.

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Serious eye damage/eye irritation

Eye irritation

- Ammonium sulfate : Rabbit
Not classified as irritating to eyes
Unpublished reports
- Ammonium Bisulfite : irritating
- Ammonium Sulfite : By analogy
Rabbit
Not irritating to rabbits on ocular application.

Respiratory or skin sensitization

Sensitization

- Ammonium sulfate : Maximization Test (GPMT) - Guinea pig
Does not cause skin sensitization.
Method: according to a standardized method
Unpublished reports
- Ammonium Bisulfite : By analogy
Guinea pig
Did not cause sensitization on laboratory animals.
- Ammonium Sulfite : By analogy
Guinea pig
Did not cause sensitization on laboratory animals.

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Mutagenicity

Genotoxicity in vitro

Ammonium sulfate

: Ames test
with and without metabolic activation
negative
Product is not considered to be genotoxic
Unpublished reports

Chromosome aberration test in vitro
Strain: Human lymphocytes
with and without metabolic activation
negative
Method: OECD Test Guideline 473
Product is not considered to be genotoxic
Published data

Gene mutation assays in mammalian cells.
Strain: Chinese hamster lung cells
with and without metabolic activation
negative
Method: OECD Test Guideline 476
Product is not considered to be genotoxic
Unpublished reports

Ammonium Bisulfite

: By analogy
In vitro tests did not show mutagenic effects

Ammonium Sulfite

: By analogy
In vitro tests did not show mutagenic effects

Genotoxicity in vivo

Ammonium sulfate

: By analogy

In vivo micronucleus test - Mouse
male
Intraperitoneal route
Method: OECD Test Guideline 474
Product is not considered to be genotoxic
Published data

Ammonium Bisulfite

: By analogy
In vivo tests did not show mutagenic effects

Ammonium Sulfite

: By analogy

In vivo tests did not show mutagenic effects

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Carcinogenicity

Carcinogenicity

Ammonium sulfate : Rat , male and female
 Oral
 Exposure time: two-year
 NOAEL: 256 - 284mg/kg
 Target Organs: Kidney, spleen, Liver
 Method: OECD Test Guideline 453
 No carcinogenic effects have been observed
 Unpublished reports

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP
 IARC
 OSHA
 ACGIH

Toxicity for reproduction and development

Toxicity to reproduction / fertility

Ammonium sulfate : 90-day - Rat , male and female
 Oral
 NOAEL parent: 1,792 - 1,975 mg/kg
 NOAEL F1: 1,792 - 1,975 mg/kg
 no impairment of fertility has been observed
 Published data

Ammonium Bisulfite : By analogy
 NOAEL F1: 955 mg/kg
 NOAEL F2: 955 mg/kg

Ammonium Sulfite : By analogy
 NOAEL F1: 955 mg/kg
 NOAEL F2: 955 mg/kg

Developmental Toxicity/Teratogenicity

Ammonium sulfate : Mouse , female
 Application Route: Oral
 no teratogenic effects have been observed
 No effect observed on development
 Published data

Ammonium Bisulfite : By analogy
 no teratogenic effects have been observed

Ammonium Sulfite : By analogy
 no teratogenic effects have been observed

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STOT
STOT-single exposure

Ammonium sulfate

Toxicology Assessment:

The substance or mixture is not classified as specific target organ toxicant, single exposure.
internal evaluation

STOT-repeated exposure

Ammonium sulfate

: Toxicology Assessment:

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
internal evaluation

Ammonium sulfate

: Oral 1-year - Rat , male and female

NOAEL: 256 - 284 mg/kg

Target Organs: Kidney, spleen, Liver

Method: OECD Test Guideline 453

Not considered to cause serious damage to health on repeated exposure

Unpublished reports

Ammonium Bisulfite

: By analogy

Oral two-year - Rat , male and female

NOAEL: 108 mg/kg bw/day

Ammonium Sulfite

: By analogy

Oral two-year - Rat , male and female

NOAEL: 108 mg/kg bw/day

Aspiration toxicity

Aspiration toxicity

: no data available

SECTION 12: Ecological information
12.1 Toxicity
Aquatic Compartment
Acute toxicity to fish

Ammonium sulfate

: Harmful to fish.

internal evaluation

Unpublished reports

Ammonium Bisulfite

: By analogy

LC50 - 96 h : 316 mg/l - Leuciscus idus (Golden orfe)

Ammonium Sulfite

: By analogy

LC50 - 96 h : 316 mg/l - Leuciscus idus (Golden orfe)

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Acute toxicity to daphnia and other aquatic invertebrates.

- Ammonium sulfate : Harmful to aquatic invertebrates.
internal evaluation
Unpublished reports
- Ammonium Bisulfite : By analogy

NOEC - 48 h : 89 mg/l - Daphnia magna (Water flea)
Effects observed related to indirect toxic properties of the product:
oxygen depletion of the test medium
- Ammonium Sulfite : By analogy

NOEC - 48 h : 89 mg/l - Daphnia magna (Water flea)
Effects observed related to indirect toxic properties of the product:
oxygen depletion of the test medium

Toxicity to aquatic plants

- Ammonium sulfate : Not harmful to algae (EC50 > 100 mg/L)
internal evaluation
Unpublished reports
- Ammonium Bisulfite : By analogy

EC50 - 72 h : 44 mg/l - Desmodesmus subspicatus (green algae)
Growth rate
Effects observed related to indirect toxic properties of the product:
oxygen depletion of the test medium
- Ammonium Sulfite : By analogy

EC50 - 72 h : 44 mg/l - Desmodesmus subspicatus (green algae)
Growth rate
Effects observed related to indirect toxic properties of the product:
oxygen depletion of the test medium

Toxicity to microorganisms

- Ammonium sulfate : The product itself has not been tested.

Chronic toxicity to fish

- Ammonium sulfate : No adverse chronic effect observed up to and including the threshold of 1 mg / L.
internal evaluation
Unpublished reports

Chronic toxicity to daphnia and other aquatic invertebrates.

- Ammonium sulfate : EC10: 3.12 mg/l - 10 Weeks - Invertebrates: Amphipode
semi-static test Analytical monitoring: yes
No adverse chronic effect observed up to and including the threshold of 1 mg / L.
Unpublished reports

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Terrestrial Compartment

Toxicity to terrestrial plants
 Ammonium sulfate : NOEC: 626 mg/kg - 84 Days - Allium cepa
 Published data

Ecotoxicity assessment

Acute aquatic toxicity
 Ammonium sulfate : Not harmful to aquatic life (LC/EC50 > 100 mg/L)

Chronic aquatic toxicity
 Ammonium sulfate : No adverse chronic effect observed up to and including the threshold of 1 mg / L.

12.2 Persistence and degradability
Biodegradability

Biodegradability
 Ammonium sulfate : Not applicable, inorganic substance
 Ammonium Bisulfite : Not applicable, inorganic substance
 Ammonium Sulfite : Not applicable, inorganic substance

Stability

Stability in water
 Ammonium sulfate : Not applicable
 Ammonium Bisulfite : no data available

Degradability assessment

Degradability assessment
 Ammonium sulfate : Not applicable

12.3 Bioaccumulative potential


Partition coefficient: n-octanol/water
 Ammonium sulfate : Not applicable, inorganic substance

Bioconcentration factor (BCF)
 Ammonium Bisulfite : Not applicable

Ammonium Sulfite : Not applicable

12.4 Mobility in soil

Adsorption potential (Koc)
 Ammonium sulfate : Not applicable

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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

- Ammonium sulfate : Not applicable, inorganic substance
- Ammonium Bisulfite : Non-classified PBT substance, Non-classified vPvB substance
- Ammonium Sulfite : Non-classified PBT substance, Non-classified vPvB substance

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal


- Advice on Disposal : Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
- Waste Code : EPA:
Hazardous Waste – NO

SECTION 14: Transport information

Transportation status: IMPORTANT! Statements below provide additional data on listed transport classification. The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT

- 14.1 UN number** UN 3082
- 14.2 Dangerous Good Description** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AMMONIUM BISULFITE), 9, III
- 14.3 Transport hazard class** 9
- 14.4 Packing group**
 - Packing group III
 - Label(s) 9
 - ERG No 171
- 14.5 Environmental hazards** NO
- Marine pollutant**
- 14.6 Special precautions for user**

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Remarks : The classification shown may not be applicable to all package sizes. It applies to those package sizes where the RQ has been met or exceeded in one package and is therefore regulated for transport.

This product contains one or more ingredients identified as a hazardous substance in Appendix A of 49 CFR 172.101. The product quantity, in one package, which triggers the RQ requirements under 49 CFR for each hazardous substance is shown.

Reportable quantities : RQ substance: Ammonium Bisulfite
RQ limit for substance: 5,000 lb
RQ limit for product: 33,333 lb

TDG
not regulated

IMDG
not regulated


IATA
not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information

15.1 Notification status

United States TSCA Inventory	: YES (positive listing) On TSCA Inventory
Canadian Domestic Substances List (DSL)	: YES (positive listing) All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS)	: YES (positive listing) On the inventory, or in compliance with the inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	: YES (positive listing) On the inventory, or in compliance with the inventory
Korea. Korean Existing Chemicals Inventory (KECI)	: YES (positive listing) On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	: YES (positive listing) On the inventory, or in compliance with the inventory

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15.2 Federal Regulations

SARA 311/312 Hazards

Fire Hazard	no
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	yes
Chronic Health Hazard	no

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Reportable quantity
Ammonium Bisulfite	10192-30-0	5000 lb
Ammonium Sulfite	10196-04-0	5000 lb

SARA 304 Reportable Quantity

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

SARA 302 Reportable Quantity

This material does not contain any components with a SARA 302 RQ.

15.3 State Regulations

California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.


SECTION 16: Other information

NFPA (National Fire Protection Association) - Classification

Health : 2 moderate
 Flammability : 0 minimal
 Instability or Reactivity : 0 minimal

HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification

Health : 2 moderate
 Flammability : 0 minimal
 Reactivity : 0 minimal

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Further information

Date Prepared : 01/20/2015
 Further information : Product classified under the US GHS format.

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH : American Conference of Governmental Industrial Hygienists
 OSHA : Occupational Safety and Health Administration
 WHMIS : Workplace Hazardous Materials Information System
 NTP : National Toxicology Program
 IARC : International Agency for Research on Cancer
 Solvay Acceptable Exposure Limit : Solvay Acceptable Exposure Limit
 NIOSH : National Institute for Occupational Safety and Health
 NFPA : National Fire Protection Association
 HMIS : Hazardous Materials Identification System (Paint & Coating)

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.