



Safety Data Sheet

C-199.01

Section 1. Identification

Product Identifier	C-199.01		
Synonyms	Fire Retardant for Natural Fibers; Antiflame C199.01		
Manufacturer Stock Numbers	N/A		
Recommended use	Product is intended for professional Special Effects use only.		
Uses advised against	Use of this material is at the sole risk of the purchaser.		
Manufacturer Contact			
Address	Roger George Rentals 14525 Bessemer St Van Nuys, CA, 91411 USA		
	Phone	Emergency Phone	Fax
	(818) 994-3049	(800) 535-5053 #85740	(818) 994-9432

Section 2. Hazards Identification

Classification	N/A
Signal Word	
Pictogram	
Hazard Statements	N/A
Precautionary Statements	
Response	N/A
Prevention	N/A
Storage	N/A
Disposal	N/A
Ingredients of unknown toxicity	0%

Hazards not Otherwise
Classified

Additional Information

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

The product contains no substances which at their given concentration, are considered to be hazardous to health

Section 3. Ingredients

CAS	Ingredient Name	Weight %
12124-97-9	Ammonium bromide ((NH ₄)Br)	10% - Max
7783-28-0	Phosphoric acid, diammonium salt	10% - Max
57-13-6	Urea	3% - Max
7732-18-5	Water	85% - Max

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eye	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention. Eyes may ave symptoms of redness, itching, irritation and watering from overexposure.
Skin	In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if cough or other symptoms appear. May cause respiratory tract and mucous membrane irritation.
Ingestion	Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Skin	Prolonged or repeated contact may cause skin irritation.
Notes to physician	Treat symptomatically. Persistent eye, skin, and respiratory disorders may be aggravated by exposure to this product.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable Extinguishing Media	N/A
Flammable Properties	This is a water based non-flammable product with no known fire or explosion hazards.
Fire fighting instructions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Flammable Properties	Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

Section 6. Accidental Release Measures

Spills/Leaks	Ventilate area of leak or spill.
Clean-up	For personal protection see section 8. For large spills evacuate the hazard area of unprotected personnel. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements. Recover free liquid. Cover liquid spill with sand, earth or other non-combustible absorbant material. Clean up spills immediately and place in appropriate containers.
Environmental Precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
Method for containment.	Prevent further leakage or spillage if safe to do so.

Section 7. Handling and Storage

Storage	Store at normal temperature and conditions of warehousing. Do not allow product to freeze. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep container closed when not in use. Do not store near strong oxidants.
Handling	Remove contaminated clothing and wash before reuse. Protect against physical damage. Observe all warnings and precautions listed for the product. Use good industrial hygiene and safety practices in handling this material. Do not consume or store food in the work area. Wash hands before smoking or eating. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Avoid breathing dust, vapor, mist, gas, fume, spray. Do not eat, drink, or smoke in the work area. Wash face, hands, and any exposed skin thoroughly after handling.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL Ammonium
	bromide ((NH4)Br)	N/A	N/A	N/A
	Phosphoric acid, diammonium salt	N/A	N/A	N/A
	Urea	N/A	N/A	10.0 mg/m3
	Water	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Apron, Face Shield			
Exposure Guidelines	No exposure limits noted for ingredient(s).			
Engineering controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.			
Eye Protection	Wear chemical goggles and face shield. Remove contact lenses.			
Skin	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.			
Respirators	For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV. A dust mask does not provide protection against vapors.			
General	Always observe good personal hygiene measures, such as washing after			

handling the material and before eating, drinking, and/or smoking.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear/Colorless
Odor	Slight ammoniacal
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
Ph	6.9
Melting Point	N/A
Boiling Point	100 C / 212 F
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

Additional Information Product has not been tested as a whole.

Section 10. Stability and Reactivity

Stability	Stable.
Incompatibilities	Incompatible with strong oxidizers.
Hazardous Decomposition or Byproducts	Carbon Dioxide, Carbon Monoxide, Phosphorous Oxide, and various Hydrocarbons may be released during a fire.
Stability	Stable under normal temperatures and pressures. Stable under prescribed storage conditions.
Hazardous Polymerization	Hazardous polymerization may occur.
Incompatibilities	Reacts with strong oxidizing agents.
Hazardous Decomposition	Decomposition products may include but are not limited to: carbon dioxide and carbon monoxide.

Section 11. Toxicological Information

Exposure Avoid contact with eyes, and skin. Do not taste or swallow. Avoid breathing

	vapors or mists.
Acute Toxicity	Diammonium Phosphate CAS#7783-28-0: LD50 Oral - rat 6500 mg/kg, LD50 Dermal - rabbit 7950 mg/kg. Ammonium Bromide CAS#12124-97-9: LD50 Oral - rat 2700 mg/kg. Urea CAS#57-13-6: LD50 Oral - rat 8471 mg/kg.
Symptoms	Please see section 4- First Aid of this SDS for symptoms.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, or NTP.

Section 12. Ecological Information

Ecotoxicity	The product is not expected to be hazardous to the environment.
Toxicity	Diammonium Phosphate Cas# 7783-28-0: Fish: Oncorhynchus mykiss LC50 26.5 mg/L/96h, Oncorhynchus mykiss flow through LC50 24.8-29.4 mg/L/96h, Pimphales promelas 3.3 mg/L/96h, Pimephales promelas static - LC50 33 mg/L/96h. Urea CAS# 57-1-6: Fish: Poecillia reticulata LC50 16200-18300 mg/L/96h, Crustacea: EC50 Daphnia magna Straus 10000 mg/L/24h, EC50 Daphnia magna static 3910 mg/L/48h.
Mobility	Urea CAS# 57-13-6: Partition Coeficient -1.59.

Section 13. Disposal

Compliance	ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001
Disposal Considerations	Material which cannot be re-used should be disposed of in accordance with federal, state, and local environmental control regulatiosn at an authorized site. This product when discarded as sold is not a RCRA hazardous waste. However, under RCRA, it is the responsibility of the product user to determine at the time of dispsal, whether a material containing the product or drived from the product should be classified as a hazardous waste. (40CFR 261.20-24)

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Non-regulated.
DOT Classification	N/A
Packing Group	N/A

Section 15. Regulatory Information

SARA 311/312	This product is subject to the reporting requirements of SARA Title III, Section 311/312 for Immediate (acute) health hazard and as a Fire Hazard.
SARA 313 Components	The following components are subject to reporting levels established by SARA Title III, Section 313: Diammonium phosphate CAS# 7783-28-0 threshold 1%, Ammonium Bromide CAS# 12124-97-9 threshold 1%.
Massachusetts Right to Know	Ammonium Bromide CAS# 12124-97-9.
Pennsylvania Right to Know	Ammonium Bromide CAS# 12124-97-9.

Section 16. Other Information

Revision Date

10/20/2019

Company Policy/Disclaimer

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