



Safety Data Sheet

Smoke "A"

Section 1. Identification

Product Identifier	Smoke "A"		
Synonyms	N/A		
Manufacturer Stock Numbers	N/A		
Recommended use	Product is intended for professional Special Effects use only. To be used in conjunction with "Smoke B."		
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	EYE DAMAGE/IRRITATION - Category 1 FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 1A
Signal Word	Danger
Pictogram	
Hazard Statements	Causes serious eye damage Causes severe skin burns and eye damage Flammable liquid and vapor
Precautionary Statements	

Response	<p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>If swallowed: Rinse mouth. Do NOT induce vomiting.</p> <p>Immediately call a poison center/doctor if unwell.</p> <p>In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam to extinguish.</p> <p>Wash contaminated clothing before reuse.</p>
Prevention	<p>Ground/bond container and receiving equipment.</p> <p>Keep away from heat.</p> <p>Keep container tightly closed.</p> <p>Take precautionary measures against static discharge.</p> <p>Use explosion-proof electrical/ventilating/lighting/.../equipment.</p> <p>Use only non-sparking tools.</p> <p>Wash skin thoroughly after handling.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p>
Storage	<p>Store in a well-ventilated place. Keep cool.</p> <p>Store locked up.</p>
Disposal	<p>Dispose of contents/container to an approved waste disposal plant.</p>
Ingredients of unknown toxicity	<p>0%</p>
Hazards not Otherwise Classified	<p>No Data Available</p>

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-19-7	Acetic acid	100% - Max

Occupational exposure limits, if available, are listed in Section 8.
 This Product contains one or more ingredients where the specific chemical identity and exact percentage of composition has been withheld as a trade secret

Section 4. First-Aid Measures

General Advice	<p>Consult a physician. Show this safety data sheet to the doctor in attendance.</p> <p>Move out of dangerous area.</p>
Inhalation	<p>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</p>
Skin	<p>Remove contaminated clothing and wash affected skin with mild soap and water. If skin irritation is severe or continues, get medical attention.</p>
Eye	<p>Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.</p>
Ingestion	<p>Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.</p>
General	<p>The most important known symptoms and effects are described in the labelling</p>

(see section 2.2) and/or in section 11

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use water spray to keep fire-exposed containers cool.
Unsuitable Extinguishing Media	N/A
Flammable Properties	Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

Section 6. Accidental Release Measures

Precautionary Measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Evacuate Handling	Evacuate nonessential personnel and remove or secure all ignition sources. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Clean-up	For personal protection see section 8. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
Cleanup	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Section 7. Handling and Storage

Handling	Avoid inhalation of vapor or mist. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. No smoking, open flames, or sources of ignition in handling and storage area. Put on appropriate personal protective equipment (see Section 8).
Storage	Keep container tightly closed in a dry, well-ventilated place. Take measures to prevent the build up of electrostatic charge. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from moisture.
TRGS 510	Flammable liquids

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Acetic acid	10 PPM	N/A	15 PPM
Personal Protective Equipment	Goggles, Gloves, Face Shield, Respirator			
General	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.			
Eyes	Chemical splash goggles should be worn to prevent eye contact.			
Hand Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laborator practices. Wash and dry hands.			

Body Protection Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respirators Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Odor	pungent
Odor Threshold	N/A
Solubility	Soluble
Partition coefficient Water/n-octanol	-0.17
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	1.049
Pounds per Cubic Foot	N/A
Flash Point	40 C / 104 F
FP Method	Closed cup
Ph	2.4
Melting Point	16.2 C
Boiling Point	117 C
Boiling Range	117-118 C
LEL	4
UEL	19.9
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	485 C
Vapor Pressure	73.3
Vapor Density	N/A

Section 10. Stability and Reactivity

Stability Stable under normal temperatures and pressures.

Incompatibilities Avoid heat, flames, and other sources of ignition. Oxidizing agents, Soluble carbonates and phosphates, Hydroxides, Metals, Peroxides, permanganates, e.g. permanganate, Amines, Alcohols, Nitric acid.

Section 11. Toxicological Information

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/ACGIH/NTP/OSHA.

Acute Toxicity	LD50 Oral - rat 3,310 mg/kg. LC50 Inhalation - mouse 5620 PPM/1hr: Sense organs and special senses (Nose, Eye, Ear, and Taste): Eye: Conjunctive irritation. LC50 Inhalation - rat 11.4 mg/L/4h. LD50 Dermal - rabbit 1112 mg/kg. Skin corrosion: Rabbit - Causes severe burns. Eye Damage/irritation: Rabbit - Corrosive to eyes.
RTECS	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Ingestion or inhalation of concentrated acetic acid causes damage to tissues of the respiratory and digestive tracts. Symptoms include: hematemesis, bloody diarrhea, edema and/or perforation of the esophagus and pylorus, pancreatitis, hematuria, anuria, uremia, albuminuria, hemolysis, convulsions, bronchitis, pulmonary edema, pneumonia, cardiovascular collapse, shock, and death. Direct contact or exposure to high concentrations of vapor with skin or eyes can cause: erythema, blisters, tissue destruction with slow healing, skin blackening, hyperkeratosis, fissures, corneal erosion, opacification, iritis, conjunctivitis, and possible blindness., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence

Section 12. Ecological Information

Toxicity: Fish	Semi-static test LC50 Oncorhynchus mykiss (rainbow trout) >1,000 mg/L/96h.
Toxicity: Inveterbrates	EC50 Daphnia magna (Water flea) >300.82 mg/L/48h.
Biodegradability	This product is readily biodegradable.

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	Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.
Contaminated packaging	Dispose of as unused product.

Section 14. Transport Information

UN Number	2789
UN Proper Shipping Name	Acetic acid, glacial
DOT Classification	8
Packing Group	II

Section 15. Regulatory Information

SARA 302 Components	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 311/312	This product is subject to the reporting requirements of SARA Title III, Section 311/312 for Immediate (acute) health hazard, chronic health hazard, and as a

SARA 313	Fire Hazard. There are no chemicals in this material are subject to reporting under SARA Title III, Section 313.
Massachusetts Right to Know	Acetic Acid - CAS #64-19-7
Pennsylvania Right to Know	Acetic Acid - CAS #64-19-7
New Jersey Right to Know	Acetic Acid - CAS #64-19-7
California Prop. 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

Revision Date

10/21/2015

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