



Safety Data Sheet

Smoke "B"

Section 1. Identification

Product Identifier	Smoke "B"		
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 A."		
Uses advised against	Use of this material is at the sole risk of the purchaser.		
Manufacturer Contact Address	Roger George Special Effects 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 This material is considered hazardous by the OSHA Hazard Communications Standard.

AQUATIC ACUTE TOXICITY - Category 1
 SPECIFIC TARGET ORGAN Toxicity(SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 SKIN CORROSION/IRRITATION - Category 1B

Signal Word Danger

Pictogram



Hazard Statements May displace oxygen and cause rapid suffocation.
 Causes severe skin burns and eye damage
 May cause respiratory irritation
 Very toxic to aquatic life.

Precautionary Statements

Prevention	Wear protective gloves/protective clothing/eye protection/face protection. Use in a well ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash hands thoroughly after handling.
Response	Collect spillage If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If swallowed: Call a poison center/doctor if you feel unwell. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor if unwell. Rinse mouth. Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container to an approved waste disposal plant.
Hazards not Otherwise Classified	None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
1336-21-6	Ammonium hydroxide ((NH ₄)(OH))	99.99% - 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	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
General	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin	Remove contaminated clothing and wash affected skin with mild soap and water. If skin irritation is severe or continues, get medical attention.
Eye	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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	None known.
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	Hazardous decomposition products formed under fire conditions. - Nitrogen oxides.

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 contact with skin and eyes. 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. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature 2 - 8 C. Refrigerate before opening. Contents may develop pressure. Storage class (TRGS 510): Non-combustible, corrosive hazardous materials.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ammonium hydroxide ((NH ₄)(OH))	25 PPM	N/A	N/A
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/Face	Safety eyewear complying with an approved standard should be used when a risk assessment by a qualified industrial hygienist indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. If operating conditions cause high dust concentrations to be produced, use dust goggles.			

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 laboratorrt 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	5 pp,
Solubility	Soluble
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	0.9
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	Closed cup
Ph	11.7
Melting Point	-60 C
Boiling Point	38 C
Boiling Range	38 - 100 C
LEL	16
UEL	27
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	153 hPa (115 mmHg)
Vapor Density	N/A

Section 10. Stability and Reactivity

Stability	Stable under prescribed storage conditions.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition product should not be produced.
Incompatible Materials	Yellow Metals (brass & copper)

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.
Eye Contact	ACUTE: No known significant effects or critical hazards. Adverse symptoms may include pain, watering, redness
Skin Contact	ACUTE: Causes severe burns Adverse symptoms may include pain or irritation, redness, possible blistering
Ingestion	ACUTE: No known significant effects or critical hazards. Adverse symptoms may include stomach pains

Section 12. Ecological Information

Risk	Very toxic to aquatic organisms with long lasting effects.
Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

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. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	Dispose of as unused product.

Section 14. Transport Information

UN Number	2672
UN Proper Shipping Name	Ammonia solution
DOT Classification	8
Packing Group	III

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
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.
SARA 313 Components	The following components are subject to reporting levels established by SARA Title III, Section 313: Ammonia hydroxide - CAS#1336-21-6
Massachusetts Right to Know	Ammonia hydroxide - CAS#1336-21-6
Pennsylvania Right to Know	Ammonia hydroxide - CAS#1336-21-6
New Jersey Right to Know	Ammonia hydroxide - CAS#1336-21-6

Section 16. Other Information

Revision Date

8/6/2020

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