

BACHARACH, INC
MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet has been prepared to comply with the EC Directive, Canadian WHMIS and OSHA Hazard Communication Regulations.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

BACHARACH, INC.
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PRODUCT NAME: GAS INDICATOR TUBE MEA-NH3

PRODUCT NUMBER: 19-0135

MSDS NUMBER: 99-0110

REVISION NUMBER: 5

MSDS DATE OF PREPARATION/REVISION: 04-10-00

SECTION 2: COMPOSITION/ INFORMATION INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Percentage</u>	<u>Exposure Limits</u>
Silica Gel	63231-67-4	50	20 mppcf PEL-TWA 10 mg/m3 TLV-TWA
Proprietary Indicator	Proprietary	<1	None established
Boric Acid Crystals	10043-35-3	25	None established
Marble Chips	Mixture	25	N/A

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Dry white granules in a glass tube. May cause mild eye and skin irritation.

ACUTE HEALTH HAZARDS:

EYE CONTACT: May cause mechanical and drying irritation.

SKIN CONTACT: May cause mechanical irritation or dryness.

INHALATION: May cause drying and irritation of the nose, throat and upper respiratory tract.

INGESTION: None known. This material is relatively non-toxic.

CHRONIC HEALTH EFFECTS: Prolonged overexposure to dust may cause pulmonary irritation and possible fibrosis.

CARCINOGEN STATUS: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory conditions may be aggravated by prolonged overexposure.

SEE SECTION 11 - TOXICOLOGICAL INFORMATION FOR ADDITIONAL DATA

SECTION 4: FIRST AID

EYE CONTACT: Immediately flush with water, lifting the upper and lower lids. Get prompt medical attention if irritation develops.

SKIN CONTACT: Wash thoroughly with soap and water after contact.

INHALATION: If irritation develops remove victim to fresh air.

INGESTION: Non-toxic in small amounts. Get medical attention.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Combustible **TEST METHOD:** N/A

AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: **LEL:** N/A **UEL:** N/A

EXTINGUISHING MEDIA: Use any media suitable for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear approved self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

HAZARDOUS COMBUSTION PRODUCTS: None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Sweep up and place in container for disposal. Avoid generating airborne dust.

SECTION 7: HANDLING AND STORAGE

WORK PRACTICES: Avoid eye and skin contact. Avoid breathing dust. Wash thoroughly after contact.

SPECIAL PRECAUTIONS: Follow use instructions. Keep tubes sealed until ready for use.

STORAGE: Keep tightly sealed to protect product quality.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special ventilation is generally required. Avoid breathing dust.

RESPIRATORY PROTECTION: None needed for normal use. Wear approved dust respirator if exposures exceed the PEL.

GLOVES: None needed for normal use.

EYE PROTECTION: Safety glasses or goggles recommended.

OTHER PROTECTIVE EQUIPMENT: None needed for normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dry white granules in a glass tube.

pH: N/A

BOILING POINT: N/A

MELTING POINT: N/A

SOLUBILITY IN WATER: Negligible

COEFFICIENT WATER/OIL: Not available

SPECIFIC GRAVITY: 45-47 lb/ft³

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

PERCENT VOLATILE: 0%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY: Hydrogen fluoride.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: Proprietary indicator: LD50 intraperitoneal mouse: 78 mg/kg

Boric Acid: LD50 oral rat: 2,660 mg/kg

IRRITANCY DATA: Not an irritant.

SENSITIZATION: None of the components have been reported to cause sensitization in humans or animals.

REPRODUCTIVE TOXICITY: Boric Acid has been reported to cause reproductive toxicity in animals.

TERATOGENICITY: None of the components have been reported to cause teratogenicity in humans or animals.

MUTAGENICITY: Boric Acid has been reported to be mutagenic in some test systems.

SYNERGISTIC EFFECTS: There are no chemicals known to cause any additive adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION

The ecological effects of this product have not been evaluated.

SECTION 13: DISPOSAL

Dispose in accordance with all local, state and federal regulations.

RCRA HAZARDOUS WASTE CODES: N/A

SECTION 14: TRANSPORTATION DATA

US DOT SHIPPING NAME: Not Regulated

DOT LABELS REQUIRED: N/A

EMERGENCY RESPONSE GUIDE NUMBER: N/A

IATA SHIPPING NAME: Not Regulated

IATA LABELS REQUIRED: N/A

SECTION 15: OTHER REGULATORY INFORMATION

SARA 311/312: Hazard Categories for SARA Section 311/312 Reporting: None

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR 372): None

CERCLA SECTION 103 REPORTABLE QUANTITY: N/A

CALIFORNIA PROPOSITION 65: This product contains the following substances known to the State of California to cause Cancer and/or Reproductive Harm: None

US TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the EPA TSCA Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List.

EUROPEAN INVENTORY OF COMMERCIAL CHEMICAL SUBSTANCES: All of the components of this product are listed on the EINECS Inventory.

JAPAN MITI: All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES: All of the components of this product are listed on the AICS Inventory.

CANADIAN WHMIS CLASSIFICATION: Not a controlled product.
This product has been classified in accordance with the hazard criteria in the CPR and the MSDS contains all the information required by the CPR.

EUROPEAN COMMUNITY LABELING CLASSIFICATION: N/A

EUROPEAN COMMUNITY RISK AND SAFETY PHRASES: None

SECTION 16: OTHER INFORMATION

NFPA HAZARD RATING: **HEALTH:** 0 **FIRE:** 0 **REACTIVITY:** 0

DATE OF LATEST MSDS REVISION: 03-14-97

REVISION SUMMARY: Format update, Sections 11, 15, 16

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Bacharach, Inc., it is the users obligation to assure safe use of this product.