

SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER Hydrogen Sulfide Calibration Gas Ampoule			PRODUCT IDENTIFICATION NUMBER (PIN) 50004-x, 50008-x	
PRODUCT USE Calibration Gas / Test Gas				
MANUFACTURER'S NAME General Monitors			SUPPLIER'S NAME General Monitors	
STREET ADDRESS 26776 Simpatica Circle			STREET ADDRESS 26776 Simpatica Circle	
CITY Lake Forest	PROVINCE California	POSTAL CODE 92630	CITY Lake Forest	PROVINCE California
EMERGENCY Contact Chemtrec	EMERGENCY TELEPHONE NO. 800.424.9300		EMERGENCY Contact Chemtrec	EMERGENCY TELEPHONE NO. 800.424.9300

SECTION 2 – HAZARDS IDENTIFICATION

PRECAUTIONARY STATEMENTS

Use only outdoors or in a well-ventilated area
Ampoules are made of glass. Do not break in hands.
Keep out of heat or direct sunlight - could shorten life of ampoule.

SECTION 3- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
Hydrogen Sulfide	<0.5%	7783-06-04		
Balance Air	>99.5%	132259-10-0		

SECTION 4 - FIRST AID MEASURES

Use only outdoors or in a well-ventilated area
Ampoules are made of glass. Do not break in hands.
If a large quantity of ampoules break at once, ventilate area.
Low levels for extended periods cause irritation of mucous membranes, conjunctivae of the eyes, headaches

SECTION 5 – FIREFIGHTING MEASURES

FLAMMABILITY

YES NO IF YES, UNDER WHICH CONDITIONS?

EXPLOSION DATA

Product is not explosive.

SENSITIVITY TO STATIC DISCHARGE

None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPECIFIC MEASURES

Use only outdoors or in a well-ventilated area
If a large quantity of ampoules break at once, ventilate area.

SECTION 7 – HANDLING AND STORAGE

SPECIFIC MEASURES

Ampoules are made of glass. Do not break in hands.
If a large quantity of ampoules break at once, ventilate area.
Keep out of heat or direct sunlight - could shorten life of ampoule.
Pack so ampoules are not crushed or broken.

SECTION 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Use ampoules in well ventilated areas

GLOVES (SPECIFY) - No
RESPIRATOR (SPECIFY) - No
EYE (SPECIFY) - No

FOOTWEAR (SPECIFY) - No
CLOTHING (SPECIFY) - No
OTHER (SPECIFY) - No

LEAK AND SPILL PROCEDURE

If a large quantity of ampoules break at once, ventilate area.

WASTE DISPOSAL

No special method - dispose of glass in trash.

HANDLING PROCEDURES AND EQUIPMENT

Ampoules are made of glass. Do not break in hands.

STORAGE REQUIREMENTS

Keep out of heat or direct sunlight - could shorten life of ampoule.

SPECIAL INFORMATION

Pack so ampoules are not crushed or broken.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Gas		ODOR AND APPEARANCE Rotten eggs - clear		ODOR THRESHOLD (ppm) <1 ppm	
VAPOR PRESSURE (mmHg)	VAPOR DENSITY (AIR-1) 1.250	EVAPORATION RATE	BOILING POINT (C) -195.8°C	FREEZING POINT (C) -210°C	
pH slightly acetic		SPECIFIC GRAVITY 0.97		COEFF, WATER/OIL, DIST.	

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY

YES NO IF NO, UNDER WHICH CONDITIONS?

INCOMPABILITY WITH OTHER SUBSTANCES

YES NO IF SO, WHICH ONES?

Concentrated Nitric acid, Chlorine, Nitrogen Trifluoride, Oxygen difluoride or other strong oxidizing agents

REACTIVITY, AND UNDER WHAT CONDITIONS

Contact and heat

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of sulfur

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY

SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

No effect with levels present in ampoules given ampoule volume

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Low levels for extended periods cause irritation of mucous membranes, conjunctivae of the eyes, headaches

EXPOSURE LIMITS TWA 10 molar ppm	IRRITANCY OF PRODUCT None	SENSITIZATION TO PRODUCT None	CARCINOGENICITY None
TERATOGENICITY None	REPRODUCTIVE TOXICITY None	MUTAGENICITY None	SYNERGESTIC PRODUCTS None

SECTION 12 – ECOLOGICAL INFORMATION

No ecological damage caused by this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

No special method - dispose of glass in trash.

SECTION 14 - TRANSPORTATION INFORMATION

DESCRIPTION OF GOODS:

Based on the concentration of the H₂S and the fact that the ampoules are not under pressure they are not regulated as per 49 CFR or IATA.

PASSENGER AND CARGO AIRCRAFT:

Acceptable for shipment

SECTION 15 - REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

U.S. TSCA INVENTORY STATUS: The components of this gas mixture are listed on the TSCA Inventory.

SECTION 16 - PREPARATION DATE OF SDS

PREPARED BY (GROUP, DEPARTMENT, ETC.)

Safety Officer

PHONE NUMBER

949.581.4464

DATE

18 February 2018