ITEM: 33V740 - Gas Monitor Bump Gas 10L Quad Mix

EYE EFFECTS:

HYDROGEN SULFIDE CAN CAUSE EYES TO BECOME SCRATCHY, IRRITATED AND EVEN TEARY. ABOVE 50 PPM OF HYDROGEN SULFIDE, THERE IS AN INTENSE TEARING BLURRING OF VISION, AND PAIN WHEN LOOKING AT LIGHT.

SAIN EFFECTS:
OVER-EXPOSURE TO CARBON MONOXIDE CAN BE INDICATED BY THE LIPS AND
FINGERNAILS TURNING BRIGHT RED. HIGH CONCENTRATIONS OF HYDROGEN SULFIDE

sps: D2214

PICK REO: 1265388156 SAFETY DATA SHEET (SDS) Associated Grainger Item: 33V740 - Gas Monitor Bump Gas 10L Quad Mix INGESTION EFFECTS: INGESTION UNLIKELY. GAS AT ROOM TEMPERATURE. INHALATION EFFECTS: GASCO (R*) INHALATION EFFECTS: DUE TO THE SMALL SIZE OF THIS CYLINDER, NO UNUSUAL HEATH EFFECTS FROM OVER-EXPOSURE ARE ANTICIPATED UNDER ROUTINE CIRCUMSTANCES OF USE. OVER-EXPOSURE TO HYDROGEN SULFIDE CAN CAUSE DIZZINESS, HEADACHE, AND NAUSEA. AT 12-16% OXYGEN, BREATHING AND PULSE RATE IS INCREASED, MUSCULAR COORDINATION IS SLIGHTLY DISTURBED. MATERIAL SAFETY DATA SHEET CALIBRATION CHECK GAS PRODUCT NAME: METHANE (0- 2.5%), CARBON MONOXIDE (0.0005- 1.0%), HYDROGEN SULFIDE (0.001- 0.025%, SULFUR DIOXIDE (0.001 - 0.025%), OXYGEN (0.0015- 23.5%), BALANCE NITROGEN NFPA HAZARD CODES: HEALTH 3 FLAMMABILITY 0 REACTIVITY 0 MSDS NO: 401SO2 HMIS HAZARD CODES: VERSION: 3 FLAMMABILITY REACTIVITY DATE: SEPTEMBER, 2014 RATTING SYSTEM: RATING SYSTEM: 0=NO HAZARD 1=SLIGHT HAZARD 2=MODERATE HAZARD 3=SERIOUS HAZARD - 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION GASCO AFFILIATES, LLC 320 SCARLETT BLVD. 320 SCARLETT BLVD OLDSMAR, FL 34677 4=SEVERE HAZARD TELEPHONE NUMBER: (800) 910-0051 - 4. FIRST AID MEASURES 24-HOUR EMERGENCY NUMBER: 1-800-424-9300 PERSONS WITH POTENTIAL EXPOSURE SHOULD NOT WEAR CONTACT LENSES. FLUSH CONTAMINATED EYES WITH COPICUS QUANTITIES OF WATER. PART EYELIDS TO ASSURE COMPLETE FLUSHING. CONTINUE FOR A MINIMUM OF 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION. FAX NUMBER: (866) 755-8920 E-MAIL: INFO@GASCOGAS.COM PRODUCT NAME: MULTI-MIX SKLIN: REMOVE CONTAMINATED CLOIHING AS RAPIDLY AS POSSIBLE, FLUSH AFFECTED AREA WITH COPIOUS QUANTITIES OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. CHEMICAL NAME METHANE, CARBON MONOXIDE, HYDROGEN SULFIDE, SULFUR DIOXIDE, OXYGEN IN NITROGEN INGESTION: NOT REQUIRED COMMON NAMES/SYNONYMS: NONE INHALATION: INHALATION: PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASED OF OVEREXPOSURE. RESCUE PERSONNEL SHOULD BE EQUIPPED THE SELF-CONTAINED BREATHING APPARATUS. VICTIMS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. IF BREATHING HAS STOPPED ADMINISTER ARTIFICIAL RESUSCITATION AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE. TDG (CANADA) CLASSIFICATION: 2.2 WHIMIS CLASSIFICATION: A 2. COMPOSITION/INFORMATION ON INCREDIENTS INGREDIENT %VOLUME PEL-OSHA TLV-ACGIH LD50 OR LC50 - 5. FIRE-FIGHTING MEASURES -ROUTE/SPECIES THESE CONTAINERS HOLD CAS UNDER PRESSURE, WITH NO LIQUID PHASE. IF INVOLVED IN A MAJOR FIRE, THEY SHOULD BE SPRAYED WITH WATER TO AVOID PRESSURE INCREASES, OTHERWISE PRESSURES WILL RISE AND ULTIPMETELY THEY WAY DISTORT OR BURST TO RELEASE THE CONTENTS. THE CASES WILL NOT ADD SIGNIFICANTLY TO THE FIRE, BUT CONTAINERS OR FRACMENTS MAY BE PROJECTED CONSIDERABLE DISTANCES - THEREBY HAMPERING FIRE FIGHTING EFFORTS. METHANE 0 TO 2.5% SIMPLE N/A ASPHIXIATE FORMULA: CH4 ASPHIXIATE CARBON MONOXIDE 0.0005 TO 50 PPM 25 PPM 1811 PPM/4 HOURS FORMULA: CO THEREBY HAMPERING FIRE FIGHTING EFFORTS (RAT) HYDROGEN SULFIDE FORMULA: H2S 0.001 TO 20 PPM 10 PPM 444 PPM (RAT) 0.025% - 6. ACCIDENTAL RELEASE MEASURES SULFUR DIOXIDE FORMULA: SO2 0.001 TO 20 PPM IN TERMS OF WEIGHT, THESE CONTAINERS HOLD VERY LITTLE CONTENTS, SUCH THAT ANY ACCIDENTAL RELEASE BY PUNCTURING ETC. WILL BE OF NO PRACTICAL CONCERN. 10 PPM 444 PPM (RAT) 0.025% OXYGEN 0.0015 TO N/A 23.5% N/A N/A FORMULA: 02 7. HANDLING AND STORAGE SUCK BACK OF WATER INTO THE CONTAINER MUST BE PREVENTED. DO NOT ALLOW BACKFEED INTO THE CONTAINER. USE ONLY PROPERLY SPECIFIED EQUIPMENT WHICH IS SUTTABLE FOR THIS PRODUCT, ITS SUPPLY PRESSURE AND TEMPERATURE. USE ONLY IN WELL-VENTILATED AREAS. DO NOT HEAT CYLINDER BY ANY MEANS TO INCREASE RATE OF PRODUCT FROM THE CYLINDER. DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 130 DEG. F (54 DEG. C). NITROGEN BALANCE SIMPLE N/A FORMULA: N2 ASPHYXIATE ASPHYXIATE 3. HAZARDS IDENTIFICATION EMERGENCY OVERVIEW: THIS PRODUCT IS A COLORLESS GAS, WHICH HAS A ROTTEN-EGG ODOR. THE ODOR CANNOT BE RELIED ON AS AN ADEQUATE WARNING OF THE PRESENCE OF THIS PRODUCT, BECAUSE OLFACIORY FATIGUE OCCURS AFTER OVER-EXPOSURE TO HUDROGEN SULFIDE. HYDROGEN SULFIDE AND CARBON MONOXIDE ARE TOXIC TO HUMANS IN RELATIVELY LOW CONCENTRATIONS. OVER-EXPOSURE CAN CAUSE SKIN OR EYE IRRITATION, NAUSEA, DIZZINESS, HEADACHES, COLLAPSE, UNCONSCIOUSNESS, COMA, AND DEATH. - 8. EXPOSURE CONTROLS/PERSONAL PROTECTION USE ADEQUATE VENTILATION FOR EXTENDED USE OF GAS. - 9. PHYSICAL AND CHEMICAL PROPERTIES -ROUTE OF ENTRY ROUTE OF ENTRY: SKIN CONTACT: YES SKIN ABSORPTION: NO EYE CONTACT: YES INHALATION: YES INGESTION: NO PARAMETER VALUE PHYSICAL STATE EVAPORATION POINT N/A HEALTH EFFECTS: PH N/A EXPOSURE LIMITS: YES IRRITANT: YES SENSITIZATION: NO REPRODUCTIVE HAZARD: YES ODOR AND APPEARANCE COLORLESS GAS WITH A ROTTEN-EGG ODOR MUTAGEN: NO - 10. STABILITY AND REACTIVITY -CARCINOGENICITY: STABLE UNDER NORMAL CONDITIONS. EXPECTED SHELF LIFE 15 MONTHS. NTP: NO IARC: NO OSHA: NO - 11. TOXICOLOGICAL INFORMATION

NO ECOLOGICAL DAMAGE CAUSED BY THIS PRODUCT.

THIS GAS MIXTURE CONTAINS COMPONENTS THAT MAY CAUSE EMBRYOTOXIC EFFECTS IN HUMANS; HOWEVER, DUE TO THE SMALL SIZE OF THE CYLINDER NO TOXICOLOGICAL DAMAGE IS ANTICIPATED.

- 12. ECOLOGICAL INFORMATION -

- 13. DISPOSAL INFORMATION

DO NOT DISCHARGE INTO ANY PLACE WHERE ITS ACCUMULATION COULD BE DANGEROUS. USED CONTAINERS ARE ACCEPTABLE FOR DISPOSAL IN THE NORMAL WASTE STREAM AS LONG AS THE CYLINDER IS EMPTY AND VALVE REMOVED OR CYLINDER WALL IS PUNCTURED; BUT GASCO ENCOURAGES THE CONSUMER TO RETURN CYLINDERS.

— 14. TRANSPORT INFORMATION -

UNITED STATES DOT

CANADA TDG

PROPER SHIPPING NAME

COMPRESSED GAS N.O.S. (OXYGEN, NITROGEN)

COMPRESSED GAS N.O.S. (OXYGEN, NITROGEN)

0

HAZARD CLASS

2.2

IDENTIFICATION NUMBER UN1956

UN1956

SHIPPING LABEL

NONFLAMMABLE GAS

NONFLAMMABLE GAS

- 15. REGULATORY INFORMATION -

THE COMPONENTS OF THIS PRODUCT ARE LISTED UNDER THE ACCIDENT PREVENTION PROVISIONS OF SECTION $112\,(R)$ OF THE CLEAN AIR ACT (CAA) WITH A THRESHOLD QUANTITY (TQ) OF $10\,,000$ POUNDS EACH.

TOXIC SUBSTANCE CONTROL ACT (TSCA): ALL INCREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

- 16. OTHER INFORMATION -

THIS MSDS HAS BEEN PREPARED IN ACCORDANCE WITH THE CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY (AMENDMENT) REGULATION 1996. THE INFORMATION IS BASED ON THE BEST KNOWLEDGE OF GASCO, AND ITS ADVISORS AND IS GIVEN IN GOOD FAITH, BUT WE CANNOT GUARANTEE ITS ACCURACY, RELIABILITY OR COMPLETENESS AND THEREFORE DISCLAIM ANY LIABILITY FOR LOSS OR DAMAGE ARISING OUT OF USE OF THIS DATA. SINCE CONDITIONS OF USE ARE CUTSIDE THE CONTROL OF THE COMPANY AND ITS ADVISORS WE DISCLAIM ANY LIABILITY FOR LOSS OR DAMAGE WHEN THE PRODUCT IS USED FOR OTHER PURPOSES THAN IT IS INTENDED.

MSDS/S010/401/SEPTEMBER, 2014