

ITEM: 3GVU8 - Expansion Tank 2.1 Gal 11 39/64 H

MSDS: B4044

ORDER: 0060157737

LP NUMBER: U833037358

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B4044

Associated Grainger Items
 3GV16, 3GV17, 3GV18, 3GV19, 3GVU1, 3GVU2, 3GVU8, 3GVU9, 3GVX1, 2P672, 2P673

MATERIAL SAFETY DATA SHEET

MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD,
 29 CFR 1910 1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

U.S. DEPARTMENT OF LABOR
 OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 (NON-MANDATORY FORM)

FORM APPROVED OMB NO.: 1218-0072

IDENTITY (AS USED ON LABEL AND LIST):
 COMPRESSED AIR; AIR UN 1002 DIVISION 2.2

SECTION I

MANUFACTURER'S NAME: FLEXCON INDUSTRIES

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE):
 300 POND STREET
 PO BOX 782
 RANDOLPH, MA 02368

EMERGENCY TELEPHONE NUMBER:
 CLEAN VENTURES: 508-872-5000

TELEPHONE NUMBER FOR INFORMATION: 781-986-2424

DATE PREPARED 3/12/08

SIGNATURE OF PREPARER (OPTIONAL): ROBERT LOMBARI

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S))	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
COMPRESSED AIR; AIR	N/A	N/A	N/A	N/A

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: -317.8 DEGREES F ((-194.3 DEGREES C)

SPECIFIC GRAVITY (H2O = 1):
 @ 70 DEGREES F (21.1 DEGREES C): 1.0

VAPOR PRESSURE (MMHg):
 @ 70 DEGREES F (21.1 DEGREES C):
 ABOVE CRITICAL TEMP OF -221.1 DEGREES F (-140.6 DEGREES F)

MELTING POINT:

VAPOR DENSITY (AIR = 1):
 @ 70 DEGREES F (21.1 DEGREES C): 1.0

EVAPORATION RATE (BUTYL ACETATE = 1): N/A

SOLUBILITY IN WATER: VERY SLIGHTLY

APPEARANCE AND ODOR: COLORLESS, ODORLESS GAS

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

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

EXTINGUISHING MEDIA: NONFLAMMABLE GAS

SPECIAL FIRE FIGHTING PROCEDURES:
 IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH
 WATER SPRAY.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 COMPRESSED AIR AT HIGH PRESSURES WILL ACCELERATE THE BURNING OF MATERIALS
 TO A GREATER RATE THAN THEY BURN AT ATMOSPHERIC PRESSURE.

SECTION V - REACTIVITY DATA

STABILITY:
 UNSTABLE ()
 STABLE (X)

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE

HAZARDOUS POLYMERIZATION:
 MAY OCCUR ()
 WILL NOT OCCUR (X)

CONDITIONS TO AVOID: NONE

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:
 INHALATION?:
 SKIN?:
 INGESTION?:

HEALTH HAZARDS (ACUTE AND CHRONIC):

CARCINOGENICITY:
 NFP?:
 IARC MONOGRAPHS?:
 OSHA REGULATED?:

SIGNS AND SYMPTOMS OF EXPOSURE:
 AIR IS NONTOXIC AND NECESSARY TO SUPPORT LIFE. INHALATION OF AIR IN A HIGH
 PRESSURE ENVIRONMENT SUCH AS UNDERWATER DIVING, CAISSONS OR HYPERBARIC
 CHAMBERS CAN RESULT IN SYMPTOMS SIMILAR TO OVEREXPOSURE TO PURE OXYGEN.
 THESE INCLUDE TINGLING OF FINGERS AND TOES, ABNORMAL SENSATIONS, IMPAIRED
 COORDINATION AND CONFUSION. DECOMPRESSION SICKNESS, PAINS OR "BENDS" ARE
 POSSIBLE FOLLOWING RAPID DECOMPRESSION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES:
 FACILITIES OR PRACTICES AT WHICH AIR IS BREATHED IN A HIGH PRESSURE
 ENVIRONMENT SHOULD BE PREPARED TO DEAL WITH THE ILLNESSES ASSOCIATED WITH
 DECOMPRESSION (BENDS OR CAISSON DISEASE). DECOMPRESSION EQUIPMENT MAY BE
 REQUIRED.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: N/A

WASTE DISPOSAL METHOD: N/A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
 USE A SUITABLE HAND TRUCK FOR CYLINDER MOVEMENT. DO NOT HEAT CYLINDER BY
 ANY MEANS. PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY
 AREA. DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED
 200 DEGREES F. USE A "FIRST IN - FIRST OUT" INVENTORY SYSTEM TO PREVENT
 FULL CYLINDERS BEING STORED FOR EXCESSIVE PERIODS OF TIME.

OTHER PRECAUTIONS:
 COMPRESSED GAS CYLINDERS SHOULD NOT BE REFILLED. SHIPMENT OF A COMPRESSED
 GAS CYLINDER WHICH HAS NOT BEEN FILLED BY THE OWNER OR WITH HIS (WRITTEN)
 CONSENT IS A VIOLATION OF FEDERAL LAW (49 CFR).

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): N/A

VENTILATION: N/A
 LOCAL EXHAUST: N/A
 MECHANICAL (GENERAL): N/A
 SPECIAL: N/A
 OTHER: N/A

PROTECTIVE GLOVES: ANY MATERIAL

EYE PROTECTION: SAFETY GOGGLES OR GLASSES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: SAFETY SHOES

CHEMICAL FORMULA:

GAS	MOLAR %
NITROGEN	78.09
OXYGEN	20.94
ARGON	.93
CARBON DIOXIDE	.03
NEON	18.18 * 10^-4
HELIUM	5.239 * 10^-4
KRYPTON	1.139 * 10^-4
HYDROGEN	.5 * 10^-4
XENON	.086 * 10^-4
RADON	6 * 10^-18
WATER VAPOR	VARYING CONCENTRATIONS

OTHER REQUIREMENTS OR PRECAUTIONS:
 REPORTING UNDER SARA, TITLE III, SECTION 313 NOT REQUIRED

(REPRODUCE LOCALLY)

OSHA 174
 SEPT. 1985