ZELLEWGER ANALYTICS -- CARBON MONOXIDE IN AIR --

Product Identification

Product ID: CARBON MONOXIDE IN AIR
MSDS Date: 05/04/1995
FSC: NIIN: Submitter: F BT
Status Code: A
MSDS Number: CKRGS

Responsible Party

Company Name: ZELLEWGER ANALYTICS
Address: 4331 THURMOND TANNER RD
City: FLOWERY BRANCH
State: GA
ZIP: 30542
Country: US
Info Phone Num: 800-535-0606
Emergency Phone Num: 800-255-3924/203-849-3111
CAGE: 65194

Contractor Identification

Company Name: SCOTT MEDICAL PRODUCTS, DIV OF SCOTT SPECIALTY
Address: RT 611 N
Box: City: PLUMSTEADVILLE
State: PA
ZIP: 18949
Country: US
Phone: 215-766-8861
CAGE: 3Y341

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Composition/Information on Ingredients

Ingredient: CARBON MONOXIDE
CAS: 630-08-0
RTECS #: FG3500000
Wt: 3.
OSHA PEL: 55 MG/M3; 50 PPM
ACGIH TLV: 29 MG/M3; 25 PPM

Ingredient: AIR
CAS: 132259-10-0
Wt: .97

Hazards Identification

Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: CARBON MONOXIDE IS AN ASPHYXIANT. HIGHLY TOXIC BY REDUCTION OF THE BLOODS OXYGEN CARRYING CAPACITY RESULTING IN OXYGEN STARVATION OF BODY CELLS. SYMPTOMS INCLUDE
SHORTNESS OF BREATH, NAUSEA, HEADACHE, DIZZINESS, CONFUSION & UNCONSCIOUSNESS. CARDIOVASCULAR PROBLEMS.

Effects of Overexposure: SHORTNESS OF BREATH, NAUSEA, HEADACHE, DIZZINESS, CONFUSION, & UNCONSCIOUSNESS. ACTS ON BLOOD CAUSING DAMAGE TO CNS.

First Aid Measures

First Aid: INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, APPLY CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting Measures

Flash Point: NON-FLAMMABLE
Extinguishing Media: USE WHAT IS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures: WEAR SCBA & FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE EXPOSED CYLINDERS COOL.
Unusual Fire/Explosion Hazard: ESCAPING GAS MIXTURES CONTAINING 18-22% OXYGEN (AIR) VIGOROUSLY SUPPORT COMBUSTION OF SURROUNDING MATERIALS & MAY ACCELERATE IT. CYLINDER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

Accidental Release Measures

Spill Release Procedures: EVACUATE & VENTILATE AREA. ELIMINATE SOURCES OF IGNITION. REMOVE LEAKING CYLINDER TO EXHAUST HOOD/SAFE OUTDOORS AREA, IF THIS CAN BE DONE SAFELY.

Handling and Storage

Handling and Storage Precautions: STORE IN WELL VENTILATED AREAS ONLY. KEEP VALVE PROTECTION CAP ON CYLINDERS WHEN NOT IN USE & SECURE CYLINDER WHEN USING TO PROTECT FROM FALLING. USE SUITABLE HAND TRUCK TO MOVE CYLINDERS.
Other Precautions: PROTECT CONTAINERS FROM PHYSICAL DAMAGE. DO NOT DEFACE CYLINDERS/LABELS. 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.

Exposure Controls/Personal Protection

Respiratory Protection: IN CASE OF LEAKAGE, USE SELF-CONTAINED BREATHING APPARATUS
Ventilation: ADEQUATE GENERAL & LOCAL EXHAUST VENTILATION TO MAINTAIN CONCENTRATIONS BELOW EXPOSURE LIMITS
Protective Gloves: NONE
Eye Protection: SAFETY GLASSES
Other Protective Equipment: SAFETY SHOES WHEN HANDLING CYLINDERS
Supplemental Safety and Health

Physical/Chemical Properties

Vapor Density: 1.09
Solubility in Water: 0.0187
Appearance and Odor: COLORLESS, ODORLESS GAS
Percent Volatiles by Volume: GAS
Stability and Reactivity Data

Stability Indicator/Materials to Avoid: YES
GREASES AND OILS, BROMINE TRIFLUORIDE, BROMINE TRIFLUORIDE, CHLORINE
TRIFLUORIDE, IODINE HEPTAFLUORIDE, NITROGEN TRIFLUORIDE, OXYGEN,
SILVER OXIDE, CO2, FLAMMABLE, COMBUSTIBLE, AND OXIDIZING
MATERIALS.
Hazardous Decomposition Products: NONE

Ecological Information

Ecological: NO ADVERSE ECOLOGICAL EFFECTS ARE EXPECTED.

Disposal Considerations

Waste Disposal Methods: RETURN REFILLABLE CYLINDERS TO SUPPLIER FOR
PROPER DISPOSAL W/ANY VALVE OUTLET PLUGS/CAPS SECURED & VALVE
PROTECTION CAP IN PLACE. DISPOSE OF NON-REFILLABLE CYLINDERS IN
ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS. ALLOW GAS TO VENT
SLOWLY TO ATMOSPHERE IN AN UNCONFINED AREA OR EXHAUST HOOD.

MSDS Transport Information

Transport Information: PROPER SHIPPING NAME: COMPRESSED GASES, NOS.
HAZARD CLASS: 2.2 (NONFLAMMABLE). UN1956

Regulatory Information

SARA Title III Information: THRESHOLD PLANNING QUANTITY: 10,000 LBS.
Federal Regulatory Information: TSCA: NOT LISTED.
State Regulatory Information:

Other Information

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