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BOC GROUP INC -- AMMONIA -- 6830-00-292-0135

Product ID:AMMONIA MSDS Date:08/07/1989

FSC:6830

NIIN:00-292-0135

MSDS Number: BSHSW === Responsible Party ===

Company Name:BOC GROUP INC Address:85 CHESTNUT RIDGE RD

City:MONTVALE

State:NJ

ZIP:07645-1801 Country:US

Info Phone Num:201-464-8100

Emergency Phone Num:201-464-8100

CAGE:HO796

=== Contractor Identification =

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Company Name: BOC GASES, A DIVISION OF THE BOC GROUP, INC

Address:575 MOUNTAIN AVENUE

Box:City:MURRAY HILL

State:NJ ZIP:07974 Country:US

Phone:908-464-8100

CAGE:80382

Company Name:BOC GROUP INC Address:575 MOUNTAIN AVE

Box:City:MURRAY HILL

State:NJ ZIP:07974 Country:US

Phone:908-464-8100

CAGE:HO796

====== Composition/Information on Ingredients ========

Ingred Name: AMMONIA (SARA III)

CAS:7664-41-7

RTECS #:BO0875000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL

:50 PPM

ACGIH TLV:25 PPM/35 STEL; 9394

EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

============ Hazards Identification =========================

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION- CORROSIVE AND IRRITATING TO THE UPPER RESPIRATORY SYSTEM. LARGE AMOUNTS AFFECTS THE UPPER AIRWAY BY CAUSING CAUSTIC-LIKE BURNING RESULTING IN EDEMA AND CHEMICAL PNEUMONITIS. SKIN- DE

RMATI TIS OR CONJUNCTIVITIS. DERMAL

BURNS ANDINFLAMMATION. EYES- CONJUNCTIVITIS. INGESTION- FREEZING OF TISSUE.

Effects of Overexposure:INHALATION-BURNING SENSATIONS, COUGHING, WHEEZING, SHORTNESS OF BREATH, HEADACHE, NAUSEA. SKIN- BURNS WITH A CHANGE IN COLOR OF THE SKIN TO GRAY OR WHITE, POSSIBLY FOLLOWED BY BLISTERING. EYES- SWELLI NG AND LOSS OF VISION. INGESTION-SINCETHIS PRODUCT IS A GAS AT ROOM TEMPERATURE, INGESTION IS UNLIKELY.

Medical Cond Aggravated by Exp osure:NONE SPECIFIED BY MANUFACTURER.

First Aid:INHALATION- PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. REMOVE TO FRESH AIR. ASSIST WITH BREATHING SUPPORT MEASURES. SKIN- REMOVE CONTAMINATED CLOTHING AS RAPIDLY AS POSSIBLE. FLUSH AFFECTED AREA WITH COPIOUS QUANTITIES OF WATER. IN CASES OF FROSTBITE, DO NOT USE HOT WATER. EYES- FLUSH CONTAMINATED EYE(S) WITH COPIOUS QUANTITIES OF WA

TER FOR A MINIMUM OF 15 MINUTES.

========== Fire Fighting Measures ==============

Flash Point:NONE

Autoignition Temp: Autoignition Temp Text: 1274F

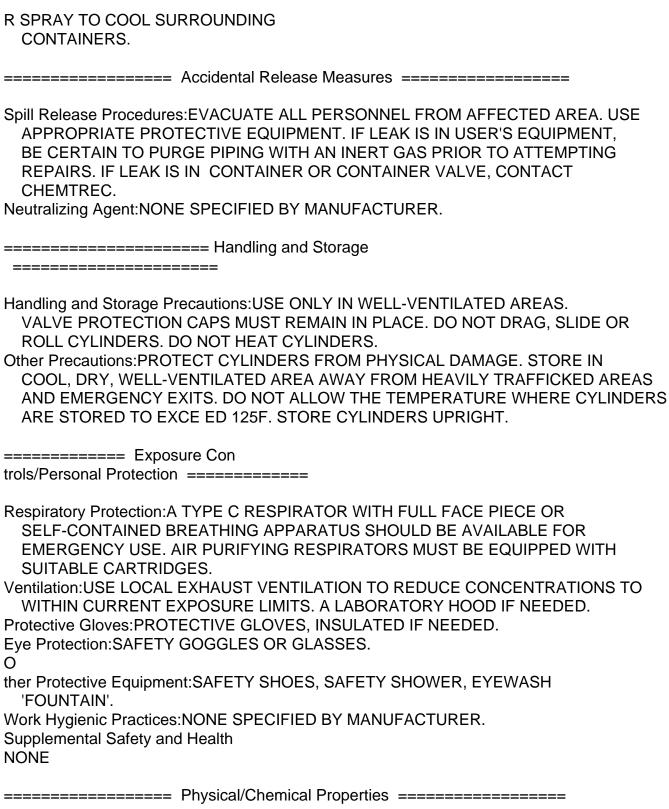
Lower Limits:16 Upper Limits:25

Extinguishing Media:WATER FOG. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:IF POSSIBLE, STOP THE FLOW OF GAS. SINCE

AMMONIA IS SOLUBLE IN WATER, IT IS THE BEST EXTINGUISHING MEDIA-EXTINGUISHING THE FIRE, AND ABSORBING VAPORS.

Unusual Fire/Explosion Hazard: USE WATE



HCC:G3

Boiling Pt:B.P. Text:-28F,-33C

Melt/Freeze Pt:M.P/F.P Text:-108F,-78C

Vapor Pres:92 PSI Vapor Density:0.62

Solubility in Water: VERY SOLUBLE

Appearance and Odor: A COLORLESS GAS. IT IS SHIPPED AS A LIQUEFIED GAS UNDER ITS OWN VAPOR PRESSURE.

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Stability Indicator/Materials to Avoid:NO
REACTS VIGOROUSLY WITH FLUORINE, CHLORINE, HCL, HBR, NITROSYL CHLORIDE,
CROMYL CHLORIDE, NO2, O3F2, AND NCL3.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products: HYDROGEN AT VERY HIGH TEMPERATURES.

====== Disposal Considerations ===========

====== Stability and Reactivity Data =======

Waste Disposal Methods:DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES. RETURN IN THE SHIPPIN

G CONTAINER PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE TO AIRCO FO R PROPER DISPOSAL.

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