

ANSUL FIRE PROTECTION -- NITROGEN (16539, 5373) -- 4210-00-299-0014

===== Product Identification =====

Product ID:NITROGEN (16539, 5373)  
MSDS Date:06/01/1989  
FSC:4210  
NIIN:00-299-0014  
Kit Part:Y  
MSDS Number: BJSFY  
=== Responsible Party ===  
Company Name:ANSUL FIRE PROTECTION  
Address:ONE STANTON STREET  
City:MARINETTE  
State:WI  
ZIP:54143-2542  
Country:US  
Info Phone Num:715-735-7411  
Emergency Phone Num:  
715-735-7411  
CAGE:03670  
=== Contractor Identification ===  
Company Name:ANSUL INC  
Address:ONE STANTON STREET  
Box:City:MARINETTE  
State:WI  
ZIP:54143-2542  
Country:US  
Phone:715-735-7411  
CAGE:03670

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

Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 100%  
ACGIH TLV:ASPHYXIAN; 9192

Ingred Name:INGRED 01: AVAILABLE OXYGEN. THE MINIMAL OXYGEN CONTENT  
SHOULD BE 18% BY VOLUME UNDER NORMAL ATMOSPHERIC PRESSURE.  
RTEC

S #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES:AVOID CONT W/LIQ FORM OF N\*2. CAN PRDCE CHILLING SENSATIONS/DISCOMFORT, ALSO FROSTBT. SKIN:EVAP OF LIQ CAN PRDCE CHILLING SENSATIONS. FROSTBT CAN OCCUR. AVOID N\*2 LIQ. INHAL:A SIMPLE ASPHYXIAN I N HIGH CONC

--DIZZ, SHORT OF

BREATH, UNCON/SUFFOCATION MAY OCCUR. INGEST:NOT LIKELY TO OCCUR SINCE MATL IS GAS @ RM TEMP.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:ACUTE: DIZZINESS, HEADACHES, TINNITUS, DIFFICULTY BREATHING, DROWSINESS, DEPENDING ON LENGTH OF EXPOSURE AND CONCENTRATIONS. CHRONIC: COMPRESSED AIR ILLNESS.

Medical Cond Aggravated by Exposure:NONE KNOWN BY MANUFACTURER.

===== First Aid Measures =====

First Aid:EYE

S: IMMED FLUSH EYES W/PLENTY OF WATER FOR AT LEAST 15 MIN WHILE HOLDING LIDS OPEN. IF REDNESS, ITCHING OR BURNING SENSATION DEVELOPS, GET MD. TREAT FOR FROSTBITE IF NECESSARY. SKIN: WASH MATL OFF S KIN W/COPIOUS AMTS OF SOAP & WATER FOR AT LEAST 15 MIN. IF REDNESS, ITCHING OR BURNING SENSATION DEVELOPS, GET MD. TREAT FOR FROSTBITE IF NECESSARY. INHAL: REMOVE TO FRESH AIR. (SEE SUPP DATA)

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

Flash Point:NONE

F

Fire Fighting Procedures:THOUGH GAS CYLINDERS ARE EQUIPPED WITH PRESSURE AND TEMPERATURE RELIEF DEVICES, THEY SHOULD BE REMOVED FROM HIGH TEMPERATURES OR FIRE TO AVOID RISK OF RUPTURE.

Unusual Fire/Explosion Hazard:NONE

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE TO OUTSIDE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:ST

ORE CONTAINERS IN A CLEAN, DRY, WELL  
VENTILATED AREA AWAY FROM HEAT >125F. STORE AS COMPRESSED GAS IN  
DOT APPROVED VESSELS. IF CYL (SEE OTHER PREC)  
Other Precautions:HNDLG/STOR PREC: IS NOT ATTACHED TO A SYSTEM, IT MAY  
BE SAFETY CAPPED TO PROTECT AGAINST VIOLENT VESSEL MOVEMENT OR  
FORCE OF ESCAPING GAS IF VALVE IS ACTUATED OR SEAL IS ACCIDENTALLY  
PUNCTURED.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT NORMALLY NECESSARY IF C  
ONTROLS ARE ADEQUATE.  
IF EXPOSURE IS PROLONGED, A NIOSH/MSHA APPROVED SCBA IS  
RECOMMENDED.  
Ventilation:MECHANICAL (GENERAL) RECOMMENDED, LOCAL EXHAUST RECOMMENDED  
IN CONFINED SPACES.  
Protective Gloves:IMPERVIOUS GLOVES  
Eye Protection:CHEM WORK GOGGLES/FACESHIELD OPT  
Other Protective Equipment:PROTECTIVE CLOTHING FOR CONTACT WITH LIQUID.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
FIRST AID PROC: IF COUGH OR OTHER RESPIRATORY SYMPTOMS OCCUR  
, CONSULT  
MD. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY  
MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CONSULT MD.  
INGEST: INGESTION IS NOT LIKELY TO OCCUR SINCE THIS MATERIAL IS  
GAS AT ROOM TEMPERATURE.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:-320F,-196C  
Vapor Density:0.98  
Evaporation Rate & Reference:N/A - GAS AT ROOM TEMP.  
Solubility in Water:SLIGHT  
Appearance and Odor:COLORLESS GAS, WITH NO ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
CAN REACT VIOLENTLY WITH LI, ND, TI UNDER PROPER CONDITIONS.  
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS.

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