

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

=====
===== 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 ASPHYXIANT 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
ire 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.

Disclaimer (provided with this information by the compiling agencies):
This information

is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.