

KIDDE INC WALTER KIDDE DIV AEROSPACE OPNS -- NITROGEN -- 1680-00-831-1629

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

Product ID:NITROGEN

MSDS Date:05/20/1986

FSC:1680

NIIN:00-831-1629

Kit Part:Y

MSDS Number: CCCCCD

=== Responsible Party ===

Company Name:KIDDE INC WALTER KIDDE DIV AEROSPACE OPNS

Address:2500 AIRPORT DRIVE

City:WILSON

State:NC

ZIP:27893-9604

Country:US

Info Phone Num:307-744-5487

Emergency P

hone Num:919-237-7004

CAGE:61423

=== Contractor Identification ===

Company Name:KIDDE INC WALTER KIDDE DIV AEROSPACE OPNS

Address:2500 AIRPORT DRIVE

Box:City:WILSON

State:NC

ZIP:27893-9604

Country:US

Phone:252-237-7004

CAGE:61423

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:ASPHYXIAN; 9596

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

=====

LD50 LC50 Mixture:LD50 ORAL RAT IS NOT APPLICABLE.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NITROGEN IS A SIMPLE ASPHYXIANT.
NITROGEN UNDER HIGH PRESSURE CAN PRODUCE NARCOSIS.LIQUID MAY CAUSE
FROSTBITE.
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALATION:
HEADACHE,DROWSINESS,D
IZZINESS,EXCITATION,EXCESS
SALIVATION,VOMITING,UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:UNLIKELY TO AGGRIVATE EXISTING
MEDICAL CONDITIONS UNDER NORMAL CONDITIONS OF USE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER NO HOTTER
THAN 105F.FOR MASSIVE EXPOSURE,TAKE A WARM SHOWER..EYES:FLUSH WITH
WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR
ARTIFICIAL RESPIRATION IF NE
EDED.INGEST:UNLIKELY ROUTE OF
EXPOSURE.THIS ITEM IS A GAS.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE
FOR SURROUNDING FIRE.
Fire Fighting Procedures:EVACUATE PERSONNEL. IMMEDIATELY DELUGE
CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE UNTIL COOL, THEN
MOVE CONTAINERS AWAY FROM FIRE AREA IF WITHOUT RISK.
Unusual Fire/Explosion Hazard:CONTAINER MAY RUPTURE DUE TO HEAT OF
FIRE. M
OST CONTAINERS ARE DESIGNED TO VENT CONTENTS WHEN THEY ARE
EXPOSED TO ELEVATED TEMPERATURES.

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

Spill Release Procedures:EVACUATE PERSONNEL. USE SELF-CONTAINED
BREATHING APPARATUS WHERE NEEDED. SHUT OFF LEAK IF WITHOUT RISK.
VENTILATE OR MOVE LEAKING CONTAINER TO WELL-VENTILATED AREA. TEST
AREA, ESPECIALLY CONFINED AREA S, FOR OXYGEN CONTENT PRIOR TO
PERMITTING REENTRY.

===== Handling and Sto

rage =====

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREAS.
CONTAINS NITROGEN AT EXTREMELY HIGH PRESSURE. CLOSE VALVE WHEN NOT
IN USE AND WHEN EMPTY.
Other Precautions:NEVER MIX GASES;AN UNEXPECTED REACTION MAY OCCUR.DO
NOT ATTEMPT WORK ON A PRESSURIZED SYSTEM.IF THERE IS A LEAK,CLOSE
THE CYLINDER VALVE;BLOW DOWN THE SYSTEM BY VENTING TO A SAFE
PLACE,THEN REPAIR THE LEAK.

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

Respiratory Protection:USE SCBA IN OXYGEN-DEFICIENT ATMOSPHERES.
CAUTION! RESPIRATORS WILL NOT FUNCTION. USE MAY RESULT IN
ASPHYXIATION.
Ventilation:MECHANICAL (GENERAL) VENTILATION AND/OR LOCAL EXHAUST AS
NECESSARY.
Protective Gloves:LEATHER WORK GLOVES.
Eye Protection:SAFETY GLASSES.
Other Protective Equipment:OXYGEN MONITORING EQUIPMENT TO TEST FOR
OXYGEN DEFICIENT ATMOSPHERES. METATORSAL SHOES FOR CYLINDER
HANDLING.
Work Hygienic Practices:GOOD HYGENIC PRACTICES.
Supp
lmental Safety and Health
KEY1;G3.THIS RECORD GOES WITH PNIND-B UNDER THIS NSN/CAGE.

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

HCC:G3
Boiling Pt:B.P. Text:-319F,-195C
Melt/Freeze Pt:M.P/F.P Text:-346F,-210C
Vapor Pres:GAS
Vapor Density:0.967
Spec Gravity:1.2506
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS, ODORLESS GAS.

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

Stability Indicator/Materials to Avoid:YES
UNDER CERTAIN CONDITION

S NITROGEN CAN REACT VIOLENTLY WITH LITHIUM,
NEODYMIUM, TITANIUM, OZONE.

Stability Condition to Avoid:HIGH HEAT ABOVE 125F

Hazardous Decomposition Products:MANUFACTURER STATES NONE.

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

Waste Disposal Methods:VENT NITROGEN GAS SLOWLY TO A WELL VENTILATED
OUTDOOR LOCATION REMOTE FROM WORK AREAS. DISCARD ANY PRODUCT,
RESIDUE, DISPOSABLE CONTAINER IN FULL COMPLIANCE WITH FEDERAL,
STATE AND LOCAL REGULATIONS.

Discla

imer (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.