

WALTER KIDDE -- NITROGEN -- 4210-01-242-3765

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

Product ID:NITROGEN

MSDS Date:05/20/1986

FSC:4210

NIIN:01-242-3765

MSDS Number: BVZKN

=== Responsible Party ===

Company Name:WALTER KIDDE

Address:2500 AIRPORT DR

City:WILSON

State:NC

ZIP:27893

Country:US

Info Phone Num:307-744-5487

Emergency Phone Num:919-237-7004

CAGE:NO283

=== Contractor Identification ===

Company

Name:WALTER KIDD AEROSPACE INC

Address:2500 AIRPORT DR

Box:City:WILSON

State:NC

ZIP:27893-9604

Country:US

Phone:919-237-7004

CAGE:5V736

Company Name:WALTER KIDDE

Address:2500 AIRPORT DR

Box:City:WILSON

State:NC

ZIP:27893

Country:US

Phone:307-744-5487

CAGE:NO283

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

Fraction by Wt: 100%

OSHA PEL:N/K

ACGIH TLV:ASPHYXIAN

===== 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:INHALATION OF MODERATE CONCENTRATIONS
MAY CAUSE HEADACHE, DROWSINESS, DIZZINESS, EXCITATION, EXCESS
SALIVATION, VOMITING & UNCONSCIOUSNESS. LIQUID CONTACT MAY CAUSE
FROSTBITE. CHRONIC: NOT APPLICABLE.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:SEE HEALTH HAZ
ARDS.
Medical Cond Aggravated by Exposure:THE TOXICOLOGY, PHYSICAL & CHEMICAL
PROPERTIES OF THE MATERIAL DO NOT SUGGEST THAT OVEREXPOSURE IS
LIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

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

First Aid:REMOVE TO FRESH AIR & CALL MD. INGEST: CALL MD IMMED . THIS
PROD IS GAS AT AMBIENT TEMP & PRESS. INHAL: REMOVE TO FRESH AIR.
GIVE ARTF RESP IF NOT BRTHG. GIVE OXYGEN IF BRTHG IS DFCLT. EYES:
IN CASE OF SPLASH
CONTAM, FLUSH EYES W/WATER FOR AT LEAST 15 MIN.
SKIN: FOR EXPOS TO LIQ, WARM FROSTBITE AREA W/WATER (NOT TO EXCEED
105F). IN CASE OF MASSIVE EXPOS, REMOVE CLTHG & SHOWER W/WARM
(SUPDAT)

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

Extinguishing Media:NITROGEN CANNOT CATCH FIRE. USE MEDIA APPROPRIATE
FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA FULL PROT EQUIP .
EVACUATE PERS FROM DANGER AREA. DELUGE CNTNR W/WATER SPRAY FR
OM MAX
DIST UNTIL COOL, THEN MOVE (SUPDAT)
Unusual Fire/Explosion Hazard:GAS CANNOT CATCH FIRE. CNTNR MAY RUPTURE
DUE TO HEAT OF FIRE. NO PART OF CNTNR SHOULD BE SUBJECTED TO TEMP >
52C(125F). MOST CNTNRS WILL VENT CONTENTS (SUPDAT)

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

Spill Release Procedures:EVACUATE PERSONNEL FROM DANGER AREA. USE
NIOSH/MSHA APPROVED SCBA WHERE NEEDED (IN OXYGEN DEFICIENT
ATMOSPHERES). VENTILATE AREA WHERE LEAK OCCURRED. TE

ST AREA FOR

SUFFICIENT OXYGEN PRIOR TO PERMITTING RE-ENTRY OF PERSONNEL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE & USE W/ADEQ VENT. MIXING TWO OR MORE GASES/LIQUIDIFIED GASES MAY COMBINE TO CREATE UNEXPECTED HAZS. OBTAIN SAFETY INFO FOR EACH BEFORE MIXING.

Other Precautions:NEVER 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:PER OSHA 29 CFR 1910.134 - RESPIRATOR ACCEPTABLE TO NIOSH/MSHA.

Ventilation:LOCAL EXHAUST PREFERRED. MECHANICAL (GENERAL) ACCEPTABLE.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED SAFETY GLASSES .

Other Protective Equipment:METATORSAL SHOES FOR CYLINDER HANDLING IN ACCORDANCE WITH OSHA 29 CFR 1910.132 AND 1910.133.

Work Hygienic Practices:GOOD HYGIENE PRACTICE AS WITH ANY INDUSTRIAL CHEMICAL.

Supplemental Safety and Health

FIRE FIGHT PROC: CNTNRS AWAY FROM FIRE AREA IF W/OUT RISK. EXPLO HAZ: WHEN EXPOSED TO ELEVATED TEMPS. FIRST AID PROC: WATER. NOTE TO MD: THERE IS NO SPECIFIC ANTIDOTE. TREATMENT SHOULD BE DIRECTED AT CONTROL OF SYMP & CLINICAL CNDTNS.

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

Boiling Pt:B.P. Text:-319F,-195C

Melt/Freeze Pt:M.P/F.P Text:

-346F,-210C

Vapor Pres:GAS @ 20C

Vapor Density:0.967

Spec Gravity:1.2506 (H₂O=1)

Solubility in Water:SLIGHTLY SOLUBLE

Appearance and Odor:COLORLESS, ODORLESS GAS AT AMBIENT TEMPERATURE & PRESSURE.

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

Stability Indicator/Materials to Avoid:YES

UNDER CERTAIN CONDITIONS NITROGEN CAN REACT VIOLENTLY WITH LITHIUM, NEODYMIUM, TITANIUM OR OZONE.

Stability Condition to Avoid:CAUTION. HIGH PRESSURE GAS.

Hazardous Decomposition

Products:NONE.

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

Waste Disposal Methods:SLOWLY RELEASE INTO ATMOSPHERE. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINERS OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL 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.