

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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Ingred Name:NITROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 100%  
OSHA PEL:N/K  
ACGIH TLV:ASPHYXIAN

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Hazards Identification  
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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 HAZARDS.

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 CO

NTAM, 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 FROM 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. TEST

AREA FOR

SUFFICIENT OXYGEN PRIOR TO PERMITTING RE-ENTRY OF PERSONNEL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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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.

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Exposure Controls/Personal Protection  
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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.

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Physical/Chemical Properties  
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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 (H\*2O=1)

Solubility in Water:SLIGHTLY SOLUBLE

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

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Stability and Reactivity Data  
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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 Pr

oducts: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.

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