

## **NITROGEN, REFRIGERATED LIQUID**

### **MSDS Number**

BBKDV

### **National Stock Number**

6830-00F001926

### **Product Name**

NITROGEN, REFRIGERATED LIQUID

### **Manufacturer**

MG INDUSTRIES

### **Product Identification**

Product ID:NITROGEN, REFRIGERATED LIQUID

MSDS Date:06/04/1992

FSC:6830

NIIN:00F001926

MSDS Number: BBKDV

### **Responsible Party**

MG INDUSTRIES

2460 BOULEVARD OF THE GENERALS

VALLEY FORGE , PA 19482

US

Emergency Phone: 215-630-5422

Info Phone: 215-630-5422

Cage: 08772

### **Contractor**

MG INDUSTRIES

MALVERN, PA 19355-1424

US

610-695-7400 / 610-695-7449

Cage: 08772

### **Ingredients**

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

Fraction By Weight: 100%

ACGIH TLV: ASPHYXIA

### **Hazards**

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

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

Health Hazards Acute and Chronic:INHALATION: ANESTHETIC, NARCOSIS & ASPHYXIA. SKIN/EYES: FROSTBITE & IRRITATION. INGESTION: FROSTBITE DAMAGE TO LIPS, MOUTH & MUCOUS MEMBRANES.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: RAPID RESPIRATION & PULSE/AIR

HUNGER/DIZZINESS/REDUCED AWARENESS/TIGHTNESS IN

HEAD/TINGLING/INCOORDINATION/FAULTY JUDGEMENT/EMOTIONAL

INSTABILITY/FATIGUE/NAUSEA/VOMITING/COLLAPSE/UNCONSCIO

SNESS/COMA/DEATH. SKIN: TINGLING, PAIN,NUMBNESS, HARD & WHITE

W/BLISTERS. EYES: PAIN, BLURRED VISION, REDNESS.

## First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. MAINTAIN AIRWAY & BLOOD PRESSURE. KEEP WARM & QUIET. TREAT SYMPTOMATICALLY & SUPPORTIVELY. SKIN: WARM AFFECTED AREA IN WATER AT A TEMPERATURE OF 107F. GENTLY WRAP AFFECTED PART IN BLANKETS IF WATER IS NOT AVAILABLE. EXERCISE AFFECTED PART WHILE IT IS BEING WARMED. ALLOW CIRCULATION TO RETURN NATURALLY. SEE SUPPLEMENT.

## Fire Fighting

Extinguishing Media:USE SUITABLE TYPE AGENT FOR SURROUNDING FIRE  
Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF SAFE TO DO. APPLY COOLING WATER TO CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER THE FIRE IS OUT (FROM A DISTANCE).  
Unusual Fire/Explosion Hazard:STAY AWAY FROM ENDS OF TANKS. ISOLATE FIRE AREA. IF TANK, RAIL CAR, OR TANK TRUCK IN FIRE, ISOLATE FOR 1/2 MILE. DON'T USE WATER ON MATERIAL ITSELF.

## Accidental Release

Spill Release Procedures:DON'T TOUCH SPILLED MATERIAL. STOP LEAK IF SAFE TO DO. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD AREA & DENY ENTRY. VENTILATE ENCLOSED SPACES BEFORE ENTERING.

## Handling

Handling and Storage Precautions:DON'T PERMIT PHYSICAL DAMAGE OR OVERHEATING OF CONTAINERS. CONTENTS UNDER PRESSURE. STORE AWAY FROM INCOMPATIBLE SUBSTANCES.  
Other Precautions:CONTAINERS MAY RUPTURE VIOLENTLY & TRAVEL A CONSIDERABLE DISTANCE. AVOID RAPID TEMPERATURE FLUCTUATIONS. INSIDE STORAGE SHOULD BE IN A WELL-VENTILATED AREA.

## Exposure Controls

Respiratory Protection:USE SUPPLIED-AIR RESPIRATION OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE OR SELF-CONTAINED BREATHING APPARATUS, DEPENDING ON CONTAMINATION LEVELS.  
Ventilation:GENERAL DILUTION  
Protective Gloves:FULL PROTECTIVE, COLD INSULATING  
Eye Protection:SPLASH-PROOF SAFETY GOGGLES & FACESHIELD  
Other Protective Equipment:EYE WASH FOUNTAIN & QUICK DRENCH SHOWER  
Supplemental Safety and Health  
FIRST AID (CONT'D): FLUSH W/PLENTY OF WATER FOR AT LEAST 15-20 MINS. CONTINUE IRRIGATING W/NORMAL SALINE UNTIL PH HAS RETURNED TO NORMAL (30-60 MINS). COVER W/STERILE BANDAGES. INGESTION: TREAT SYMPTOMATICALLY & SUPPORTIVELY. IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION. OBTAIN MEDICAL ATTENTION.

## Chemical Properties

Boiling Pt:B.P. Text:-321F/-196C  
Melt/Freeze Pt:M.P/F.P Text:-346F/-210C  
Vapor Pres:760  
Vapor Density:0.967  
Spec Gravity:0.8081  
Solubility in Water:1.6% @ 20C  
Appearance and Odor:COLORLESS, TASTELESS LIQUIFIED GAS, ODORLESS  
Percent Volatiles by Volume:100

## Stability

Stability Indicator/Materials to Avoid:YES  
LITHIUM, MAGNESIUM, NEODYMIUM, OZONE, TITANIUM. (THESE MATERIALS MAY IGNITE OR REACT IN NITROGEN ATMOSPHERE.)  
Stability Condition to Avoid:HEAT, FLAME  
Hazardous Decomposition Products:OXIDES OF NITROGEN

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, &

FEDERAL REGULATIONS. UN 1977.

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