

## **UREA**

### **MSDS Number**

BHCFK

### **National Stock Number**

6810-00-145-0049

### **Product Name**

UREA

### **Manufacturer**

NITREX

### **Product Identification**

Product ID:UREA

MSDS Date:06/20/1988

FSC:6810

NIIN:00-145-0049

MSDS Number: BHCFK

### **Responsible Party**

NITREX

5790 OLD MILLINGTON ROAD

MEMPHIS , TN 38127

Emergency Phone: 901-357-2311

Info Phone: 901-357-2311

Cage: OELF7

### **Contractor**

NITREX

MEMPHIS, TN 38127

901-357-2311

Cage: OELF7

### **Ingredients**

UREA

CAS: 57-13-6

RTECS: YR6250000

Fraction By Weight: 100%

### **Hazards**

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

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

Health Hazards Acute and Chronic:NONE

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:A SINGLE DOSE OF 100 GMS. OF UREA SOLUTION HAS REPORTEDLY CAUSED MILD CONTRAL NERVOUS SYSTEM DEPRESSION SUCH AS DROWSINESS, SLOW REFLEXES, SLURRED SPEECH. NON-TOXIC.

### **First Aid**

First Aid:FLUSH EYES AND SKIN THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

### **Fire Fighting**

Flash Point:NOT FLAMMABLE

Lower Limits:NOT APPLICAE  
Upper Limits:NOT APPLICAE  
Extinguishing Media:WATER  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
SELF-CONTAINED BREATHING APPARATUS. CAUTION!: WET UREA IS SLIPPERY.  
Unusual Fire/Explosion Hazard:AT ELEVATED TEMPERATURES, UREA MAY  
DECOMPOSE TO CYANURIC ACID, AMMONIA, BIURET, CYANIC ACID, CARBON  
DIOXIDE, AND NITROGEN OXIDES.

## Accidental Release

Spill Release Procedures:PREVENT LARGE QUANTITIES FROM CONTACTING  
VEGETATION OR WATERWAYS. KEEP ANIMALS AWAY FROM LARGE SPILLS.  
Neutralizing Agent:NOT APPLICABLE.

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT  
CONTAINERS FROM PHYSICAL DAMAGE.  
Other Precautions:HYGROSCOPIC MIXTURES CAN BE FORMED WITH CERTAIN  
CHEMICALS. UREA AND MOISTURE WILL CAUSE SLIPPERY CONDITIONS.

## Exposure Controls

Respiratory Protection:A NIOSH/MSHA APPROVED RESPIRATOR SHOULD BE USED  
WHEN EXPOSURE EXCEEDS THE OSHA NUISANCE DUST STANDARD OF 15 MG/M3.  
Ventilation:PROVIDE LOCAL OR GENERAL VENTILATION TO KEEP DUST BELOW  
OSHA NUISANCE DUST LIMIT OF 15 MG/M3.  
Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER  
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.  
Supplemental Safety and Health  
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO  
NOT BREATHE VAPORS OR MISTS.

## Chemical Properties

HCC:N1  
Spec Gravity:1.335  
pH:NOT AE  
Solubility in Water:108GM/100CC @68F  
Appearance and Odor:WHITE SOLID, SPHERICAL SHAPE(PRILL) WITH SLIGHT  
AMMONICAL ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
MAY REACT WITH NITRATES, ALKALIES, OXIDIZING AGENTS, INORGANIC ACIDS.  
CORROSIVE TO COPPER AND COPPER ALLOYS.  
Stability Condition to Avoid:HEATING ABOVE 266F  
Hazardous Decomposition Products:NONE

## Disposal

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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