

FISHER SCIENTIFIC CO,CHEMICAL MFG DIV -- UREA,CAT# UI5500 -- 6810-00-782-6521

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

Product ID:UREA,CAT# UI5500

MSDS Date:11/07/1988

FSC:6810

NIIN:00-782-6521

MSDS Number: BHCBZ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO,CHEMICAL MFG DIV

Address:1-REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7523

Emergency Phone

Num:201-796-7100

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:UREA

CAS:57-13-6

RTECS #:YR6250000

Fraction by Wt: 100.0%

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 14,300MG/KG

Routes of Entry:

Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF  
EYES,SKIN,RESPIRATORY AND G.I.TRACT;CNS EFFECTS LIKE  
HEADACHE,DIZZINESS,NAUSEA,VOMITING AND POSSIBLE  
UNCONCIOUSNESS,COUGHING,SHORTNESS OF BREATH  
CHRONIC:IRRITATIO N,OR DERMATITIS OR CONJUNCTIVITIS  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Over  
exposure:SEE HEALTH HAZARDS DATA  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATT  
ENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF  
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE  
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE  
MEDICAL ATTENTION.

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

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER  
FOG.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING  
CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:NOT SPECIFIED BY THE MGF

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;REMOVE ALL  
IGNITION SOURCES;SWEEP UP OR VACUUMD IF POSSIBLE,AND COLLECT FOR  
PROPER DISPOSAL.  
Neutralizing Agent:NOT SPECIFIED BY THE MFR

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

Handling and Storage Prec

autions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT  
CONTAINERS FROM PHYSICAL DAMAGE.  
Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE DUST. AVOID  
PROLONGED OR REPEATED BREATHING OF DUST. AVOID CONTACT WITH EYES.  
USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST  
  
IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA  
Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.  
LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.  
Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER  
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROC  
EDURES. 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 DUST OR MISTS.

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

HCC:N1  
Boiling Pt:B.P. Text:32.0F,0.0C  
Melt/Freeze Pt:M.P/F.P Text:275F,135C  
Spec Gravity:1.323  
pH:7.2  
Solubility in Water:SOLUBLE  
Appearance and Odor:COLORLESS TO WHITE PELLETS OR POWDER WITH AMMONIA  
ODOR

===== Stabil  
ity and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES  
Hazardous Decomposition Products:AMMONIA,CYANURIC ACID NO\*X,AND OTHER  
UNIDENTIFIED TOXIC VAPORS

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES ;DISPOSAL MUST BE IN  
ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

Disclaimer (provided w

ith 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.