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BP NORTH AMERICA PETROLEUM INC -- UREA PRILL-INDUSTRIAL GRADE -- 6810-00-782-6521

Product ID:UREA PRILL-INDUSTRIAL GRADE

MSDS Date:07/29/1988

FSC:6810

NIIN:00-782-6521

MSDS Number: BNTLK === Responsible Party ===

Company Name: BP NORTH AMERICA PETROLEUM INC

Address:550 WESTLAKE PARK BLVD SUITE 1800

City:HOUSTON

State:TX

ZIP:77079-2608 Country:US

Info Phone Num:800 -537-9720/713-558-3443

Emergency Phone Num:800-321-8642/800-424-9300(CHEMTREC)

Preparer's Name:RIGNEY

CAGE:0BF86

=== Contractor Identification ===

Company Name: BP NORTH AMERICA PETROLEUM INC

Address:550 WESTLAKE PARK BLVD SUITE 1800

Box:City:HOUSTON

State:TX

ZIP:77079-2608 Country:US

Phone:713-558-3443

CAGE:0BF86

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

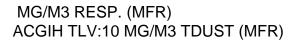
Ingred Name: UREA

CAS:57-13-6

RTECS #:YR6250000 Fraction by Wt: >= 99.9%

Other REC Limits: NONE SPECIFIED

OSHA PEL:5



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

LD50 LC50 Mixture:LDL0 (DOMESTIC ANIMAL ORAL) IS 511 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE-ORAL:SLIGHTLY TOXIC.MAY CAUSE GI IRRITATION,NAUSEA,VOMITING & DIARRHEA.SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE REDDENING,ITCHING & INFLAMMATION.EYE:SLIGHTLY I

RRITATING.INHALE:MAY CAUSE RESPIRA TORY TRACT IRRITATION.UREA IS AN END PRODUCT OF PROTEIN METABOLISM & IS EXCRETED IN THE URINE.CHRONIC-NONE KNOWN.

Effects of Overexposure:LIGHTLY TOXIC IF INGESTED. MAY CAUSE GI IRRITATION, NAUSEA, VOMITING & DIARRHEA. PROLONGED/REPEATED SKIN CONTACT MAY CAUSE REDDENING, ITCHING & INFLAMMATION. SLIGHTLY IRRITATING TO EYES. IF INHALE, MAY CAUSE RESPIRATORY TRACT IRRITATION. UREA IS AN END PRODUCT OF PROTEIN METABOLISM & IS EXCRETED I

N THE URINE.

Medical Cond Aggravated by Exposure: ASTHMATICS EXPOSED TO DUST MAY HAVE DIFFICULTY IN BREATHING.

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO N OT INDUCE VOMITING. KEEP AFFECTED PERSON WARM AND AT REST. GET MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY FORM POISONOUS/IRRITATING GAS, FUMES OR VAPORS. MAY FO

ACIDS. UREA SOLUTIONS MAY DECOMPOSE TO TOXIC HCN.
========= Accidental Release Measures ==========
Spill Release Procedures:WEAR APPROVED RESPIRATOR. STOP LEAK IF POSSIBLE. VACUUM OR SWEEP UP SPILLAGE. AVOID CREATING DUST. PLACE SPILLAGE IN APPROPRIATE CONTAINER FOR WASTE DISPOSAL. VENTILATE AREA AND WASH SPILL SITE. Neutralizing Agent:NOT APPLICABLE.
========== Handling and Storage =======
Handling and Storage Precautions:STORAGE-STORE IN TIGHTLY CLOSED CONTAINER IN COOL,DRY,ISOLATED,WELL-VENTILATED AREA AWAY FROM INCOMPATIBLES.
Other Precautions:EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. DO NOT REUSE WITHOUT ADEQUATE PRECAUTIONS. AVOID CONTAMINATION WITH OTHER "LOOK-ALIKE" MATERIALS THAT MAY PRODUCE AN EXPLOSION HAZARD. AVOID GENERATING DU STS. AVOID BREATHING DUSTS.
====== Exposure Controls/Personal Protection =======
Respirator y Protection:NONE NORMALLY REQUIRED. IF WORKPLACE EXPOSURE LIMIT IS EXCEEDED, A NIOSH APPROVED AIR SUPPLIED RESPIRATOR OR DUST RESPIRATOR IS ADVISED. Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S). Protective Gloves:BUTYL RUBBER Eye Protection:DUST-RESISTANT SAFETY GOGGLES Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER, APPROPRIATE LABORATORY COAT TO COVER EXPOSED SKIN. DO NOT WEAR CONTACT LENSES. Work Hygienic Practices:DO NOT PERMIT EATING, DRINKING OR SMOKING NEAR THIS MATERIAL. WASH THOROUGHLY AFTER HANDLING. Supplemental Safety and Health
========= Physical/Chemical Properties =========
HCC:N1 Boiling Pt:B.P. Text:DECOMPOSES Melt/Freeze Pt:M.P/F.P Text:271F,133C Solubility in Water:119 % @ 25C Appearance and Odor:WHITE GRANULES WHITE LITTLE/NO ODOR. AMMONIA ODOR UPON LONG STANDING ===================================

RM EXPLOSIVE MIXTURES IF CONTAMINATED WITH STRONG

Stability Indicator/Materials to Avoid:YES STRONG ACIDS

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF USE. AVOID EXCESSIVE HEAT. IT MAY CAUSE DECOMPOSITION TO VERY TOXIC HYDROGEN CYANIDE.

Hazardous Decomposition Products: COMBUSTION MAY FORM TOXIC GASES SUCH AS HYDROGEN CYANIDE, NITROGEN OXIDES AND CARBON MONOXIDE. AVOID CONTACT WITH ACIDS.

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

Waste Disposal Methods:THE TRANSPORTATION, STORAGE, TREATMENT AND

DISPOSAL OF THIS WASTE MATERIAL MUST BE CONDUCTED IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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