

HYDRO TRANSMITRO, INC -- UREA -- 6810-01-198-9398

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Product Identification  
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Product ID:UREA

MSDS Date:12/04/1992

FSC:6810

NIIN:01-198-9398

MSDS Number: CGLVH

=== Responsible Party ===

Company Name:HYDRO TRANSMITRO, INC

Address:4511 NORTH HIMES AVE

City:TAMPA

State:FL

ZIP:33614

Country:US

Info Phone Num:813-879-6865/800-237-5005

Emergency Phone Num:813-879-6865/800-424-9300(CHEMTREC)

CAGE

:NO194

=== Contractor Identification ===

Company Name:HYDRO TRANSMITRO, INC

Address:4511 NORTH HIMES AVE

Box:City:TAMPA

State:FL

ZIP:33614

Country:US

Phone:813-879-6865/800-237-5005

CAGE:NO194

Company Name:SAMIRA INDUSTRIES (907-563-5569)

Box:UNKNOW

CAGE:0XAL9

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Composition/Information on Ingredients  
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Ingred Name:UREA

CAS:57-13-6

RTECS #:YR6250000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:LD:14300MG/KG FOR RATS EXPOSED ORALLY

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHAL:OVEREXPO CAN CAUSE SHORTNESS OF BREATH,SORE THROAT,COUGHING.SKIN:SLIGHT IRRIT AT PROLONGED CONTACT W/SWEATING SKIN.EYE:IRRIT & PAIN DUE TO DUST/VAPORS.INGEST:CAN CAUSE SORE THROAT & ABDOMINAL PA IN.

Explanation of Carcinogenicity:PER MSDS:NO CARCINOGENIC,MUTAGENIC OR TERATO

GENIC EFFECTS LISTED IN LITERATURE REVIEWED.

Effects of Overexposure:SHORTNESS OF BREATH, SORE THROAT, COUGHING.

SLIGHT SKIN IRRIT AT PROLONGED CONTACT W/SWEATING SKIN. EYE IRRIT & PAIN. SORE THRAOT & ABDOMINAL PAIN WHEN INGEST.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:PROVIDE FRESH AIR & GET MED ATTN IF IRRIT

PERSISTS.SKIN:FLUSH AFFECTED AREAS W/PLENTY OF WATER AFTER REMOVING

CONTAM CLOTHING.EYE:FLUSH W/LG AMTS OF WATER (MIN OF 15MINS) & SEEK MED ATTN IF NECE SSARY.INGEST:RINSE MOUTH & DRINK PLENTYOF WATER.IF NECESSARY SEEK MED ATTN.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:FLUSH W/WATER.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO PROTECT AGAINST THE DECMPOSITI ON PRODUCTS OF UREA(CAN BE TOXIC).

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:COLLECT SPILLED UREA FOR FERTILIZER USE.FLUSH REMAINDER AWAY W/PLENTY OF WATER.IF NECESSARY,CONTACT YOUR LOC FIRE DEPT,NAT RESPONSE CNETER & CHEMTREC.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Pre

cautions:KEEP DRY & AVOID EXPOSURE TO HIGH TEMPERATURES.

Other Precautions:WILL LIQUIFY IF MIXED OR STORED WITH AMMONIUM NITRATE.

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

Respiratory Protection:WEAR DUST MASK OR OTHER APPROPRIATE RESPIRATORY PROTECTION IF NECESSARY.PROTECTION IS NOT NORMALLY NEEDED UNLESS EXPO STDS ARE EXCEEDED.

Ventilation:TO KEEP AIRBORNE CONC BEL OSHA STDS.USE PROCESS ENCLOSURE,GEN DIL VENTI,LOC EXHAU,WHERE NECESSARY.

Protectiv

e Gloves:APPROP PROT CLOTH TO COVER SKIN

Eye Protection:CHEM GOGGLES,FCSHIELD

Other Protective Equipment:OTHER PROTECTIVE EQPMT WHEN NECESSARY.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MATLS TO AVOID:PHOSPHORUS PENTACHLORIDE,& NITROSYL & GALLIUM PERCHLORATE.HYPOCHLORITE BLEACH RXS W/UREA TO FORM NITROGEN TRICHLORIDE WHICH EXPLODES SPONTANEOUSLY IN AIR.

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

HCC:N1

Boiling Pt:B.

P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:271F,133C

Decomp Temp:Decomp Text:271F,133C

Vapor Pres:0.08PSI@0C

Vapor Density:NA

Spec Gravity:NP

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NA, BUTYL ACETATE=1

Solubility in Water:COMPLETE

Appearance and Odor:SOLID WHITE GRANULES;ODORLESS OR SLIGHT AMMONIA ODOR

Percent Volatiles by Volume:NP

Corrosion Rate:NP

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID CONTAM W/OTHER M

ATLS INDEPENDENT OF THEIR COMPOSITION FOR QUALITY REASONS.SODIUM NITRATE,HYPOCHLORITES,(SUPPLEMEN)  
Stability Condition to Avoid:WILL DECOMPOSE IF HEATED ABOVE MELTING POINT.

Hazardous Decomposition Products:DECOMPOSES TO AMMONIA,BIURET,NITROGEN OXIDES,TRIURET,CYANURIC ACID,& AMMELIDE WHEN HEATED ABOVE MELTING POINT.

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

Waste Disposal Methods:DONT DISPO INTO SEWER.LOCAL, STATE OR FEDERAL ENVIRONMETAL REGULATORY AGENCIES SHOULD BE CONTACTED FOR PROPER DISPOSAL PROCEDURES & LOCATIONS.

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