

STANDARD TAR PRODUCTS CO. INC. -- UREA, SOLID -- 6810-00-782-6521

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

Product ID:UREA, SOLID

MSDS Date:01/01/1991

FSC:6810

NIIN:00-782-6521

MSDS Number: BMQGG

=== Responsible Party ===

Company Name:STANDARD TAR PRODUCTS CO. INC.

Address:2456 W CORNELL ST.

City:MILWAUKEE

State:WI

ZIP:53209-6294

Info Phone Num:414-873-7650

Emergency Phone Num:414-873-7650

Resp. Party O

ther MSDS Num.:MSDSUREA

Chemtrec Ind/Phone:(800)424-9300

CAGE:1JN25

=== Contractor Identification ===

Company Name:RADIAN INTL LLC

Address:8501 N MOPAC BLVD

Box:201088

City:AUSTIN

State:TX

ZIP:78720-1088

Country:US

Phone:512-419-5224

Contract Num:SP0450-00-D-4021

CAGE:29913

Company Name:STANDARD TAR PRODUCTS CO. INC.

Address:2456 W CORNELL ST.

Box:City:MILWAUKEE

State:WI

ZIP:53209-6294

Phone:414-873-7650

CAGE:1JN25

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

Ingred Nam

e:UREA
CAS:57-13-6
RTECS #:YR6250000
Minumum % Wt:97.
Maxumum % Wt:98.
Other REC Limits:NONE SPECIFIED

Ingred Name:BIURET
CAS:108-19-0
Minumum % Wt:0.
Maxumum % Wt:1.
Other REC Limits:NONE SPECIFIED

Ingred Name:METHYLENE DIUREA
CAS:68611-64-3
Minumum % Wt:0.
Maxumum % Wt:1.76
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Haz

ards Acute and Chronic:INHALATION: NO INCIDENTS OF DUST
INHALATIONS HEALTH EFFECTS HAVE BEEN REPORTED. INGESTION: A SINGLE
DOSE OF 100 GRAMS HAS REPORTEDLY CAUSED MILD SYMPTOMS OF CENTRAL
NERVOUS SYSTEM DEPRESSION, E.G., DROWSINESS, SLOW REFLEXES,
SLURRED SPEECH. SKIN: IRRITANT. EYE: IRRITANT.

Effects of Overexposure:INGESTION: DROWSINESS, SLOW REFLEXES, SLURRED
SPEECH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: PROMPTLY FLUSH WITH WATER IMMEDIATELY CONTINUING FOR 15
MIN. IF IRRITATION PERSISTS, PROMPTLY CONSULT A PHYSICIAN. SKIN:
WASH WITH MILD SOAP AND WATER. GET PROMPT MEDICAL ATTENTION IF
IRRITATION PERSISTS. INGESTION: A SINGLE DOSE OF 100 GRAMS HAS
REPORTEDLY CAUSED MILD SYMPTOMS OF CENTRAL NERVOUS SYSTEM
DEPRESSION E.G. DROWSINESS, SLOW REFLEXES, SLURRED SPEECH. SEEK
MEDICAL ATTENTION. INHALATION: NO INCIDENTS OF DUST IN

HALATION

HEALTH EFFECTS REPORTED.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:ALL STANDARD AGENTS ARE ACCEPTABLE (WATER, CO2, DRY CHEMICALS).

Fire Fighting Procedures:UREA IS SLIPPERY WHEN WET.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:IF UNCONTAMINATED, RECOVER AND REUSE AS PRODUCT. PREVENT LARGE QUANTITIES FROM CONTACTING VEGETATION OR WATERWAYS. KEEP ANIMALS AWAY FROM LARGE SPILLS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN OR CLOTHING. AVOID DUST INHALATION. CONTACT LENSES SHOULD NOT BE WORN. KEEP MATERIAL DRY. AVOID HEATING OF PRODUCT.

Other Precautions:AVOID CONTAINERS, PIPING OR FITTINGS MADE OF BRASS, BRONZE, OR OTHER COPPER-BEARING ALLOYS, OR GALVANIZED METAL.

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

Respiratory Protection:NIOSH-APPROVED DUST RESPIRATOR.

Ventilation:PROVIDE LOCAL OR GENERAL VENTILATION TO KEEP DUST BELOW OSHA NUISANCE DUST LIMIT OF 15 MG/M3.

Protective Gloves:WEAR IMPERVIOUS GLOVES

Eye Protection:SAFETY GLASSES. DO NOT WEAR CONTACT LENS

Other Protective Equipment:NOT GENERALLY REQUIRED, UNLESS IRRITATION OF SKIN DEVELOPS. WEAR IMPERVIOUS GLOVES AND LONG SLEEVES.

Work Hygienic Practices:WASH HANDS AFTER HANDLING THIS MATERIAL.

Supplemental Safety and Health

AVOID CONTAINERS, PIPING OR FITTINGS MADE OF BRASS, BRONZE, OR OTHER COPPER-BEARING ALLOYS, OR GALVANIZED METAL.

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

HCC:N1

Melt/Freeze Pt:=-132.8C, 271.F

M.P/F.P Text:APPROX

Spec Gravity:1.335

pH:7.2(10% SOLN)

Solubility in Water:108 G/ 100 ML

Appearance and Odor:SOLID WHITE MATERIAL WITH A SLIGHT AMMONIA ODOR.

===

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

Stability Indicator/Materials to Avoid: YES

SODIUM NITRATE, PHOSPHORUS PENTACHLORIDE, NITROSYLPERCHLORATE.
NITRATES, ALKALIES, OXIDIZING AGENTS, ALDEHYDES.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: AMMONIA, CYANURIC ACID, CYANIC ACID,
CARBON DIOXIDE, BIURET, AND NITROGEN OXIDES.

===== Toxicological Information =====

Toxicological Information:

PERMISSIBLE CONCENTRATION REFERENCES: OSHA

DUST= 15 MG/3 NUISANCE DUST (TOTAL) UREA; AND 5 MG/M3 RESPIRABLE
FRACTION UREA.

===== Ecological Information =====

Ecological: DEGRADABILITY/AQUATIC TOXICITY: AQUATIC TOXICITY

CONSIDERATION INDICATES A LOW ORDER OF TOXICITY. SINCE UREA IS A
FERTILIZER, IT MAY PROMOTE EUTROPHICATION IN WATERWAYS.

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

Waste Disposal Methods: DISPOSAL OR UREA

LIQUOR MAY BE SUBJECT TO

FEDERAL, STATE AND LOCAL REGULATIONS.

===== Regulatory Information =====

SARA Title III Information: EPA HAZARD: NOT A HAZARDOUS SUBSTANCE. SARA

SEC 311/312 HAZARD CATEGORIES: IT HAS AN IMMEDIATE HEALTH HAZARD.

===== Other Information =====

Disclaimer (provided with 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.