

ARCADIAN CORP -- UREA SOLID -- 6810-01-198-9398

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Product Identification
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Product ID:UREA SOLID

MSDS Date:08/01/1990

FSC:6810

NIIN:01-198-9398

MSDS Number: BWGMG

=== Responsible Party ===

Company Name:ARCADIAN CORP

Address:6750 POPLAR AVE, SUITE 600

City:MEMPHIS

State:TN

ZIP:38138-7419

Country:US

Info Phone Num:800-524-0132 901-758-5254

Emergency Phone Num:800-524-0132 800-424-9300(CHEMT
REC)

Preparer's Name:RANDY FERRARA

CAGE:01KQ2

=== Contractor Identification ===

Company Name:ARCADIAN CORP

Address:6750 POPLAR AVE

Box:City:MEMPHIS

State:TN

ZIP:38138

Country:US

Phone:800-654-4514

CAGE:01KQ2

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Composition/Information on Ingredients
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Ingred Name:UREA

CAS:57-13-6

RTECS #:YR6250000

Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIA (SARA III)=0-250PPM

CAS:7664-41-7

RTECS #:BO0875000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:25 PPM

/35 STEL; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:BIURET
Fraction by Wt: 0-1%
Other REC Limits:NONE RECOMMENDED

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
Fraction by Wt: 45-46.5%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9394

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 14300MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Hea

lth Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION AND CNS
DEPRESSION(AT DOSE >100G).INHAL:DECOMPOSITION FUMES MAY CAUSE LUNG
DAMAGE WITHOUT WARNING.DUST MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

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

Medical Cond Aggravated by Expo

sure:PERSONS WITH PRE-EXISTING

RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND
WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH
AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT
INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:270F

Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.WET UREA AREA IS SLIPPERY.

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

Spill Release Procedures:VENTILATE AREA.USE PROPER PROTECTIVE AND

RESPIRATORY EQUIPMENT.SWEEP OR VACUUM;DO NOT CREATE DUST;PLACE IN A DRY CONTAINER FOR DISPOSAL.CLEAN SPILL AREA WITH WATER.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING DUST.AVOID SKIN AND EYE CONTACT.AVOID CONTAINERS AND HANDLING EQUIPMENT

CONTAINING BRASS,BRONZE,COPPER ALLOYS OR GALVANIZED METAL.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR DUST.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN LEVELS BELOW 15MG/M3

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A

LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

PH=7.2 @10%.

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

HCC:N1

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

Spec Gravity:1.335

pH:SUPDAT

Solubility in Water:COMPLETE

Appearance and Odor:SOLID,SPHERICAL SHPED;WHITE;AMMONIA ODOR.

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

Stability Indicator/Materials to Avoid: YES

SODIUM NITRITE, PHOSPHOROUS

PENTACHLORIDE, NITRATES, ALKALIES, OXIDIZERS, HYPOCHLORIDES, ACIDS, OLEFINS, POLYMERIZABLE ESTERS, CU

Stability Condition to Avoid: HEAT ABOVE 270F, MOISTURE.

Hazardous Decomposition Products: BIURET, AMMONIA, CYANURIC ACID, OXIDES OF NITROGEN.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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