View NSN Online: https://aerobasegroup.com/nsn/6810-01-198-9398

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

Product ID:UREA, SOLID MSDS Date:04/15/1995

FSC:6810

NIIN:01-198-9398

MSDS Number: BXTMZ === Responsible Party ===

Company Name: ARCADIAN CORP Address: 6750 POPLAR, SUITE 600

City:MEMPHIS

State:TN

ZIP:38138-7419 Country:US

Info Phone Num:800-524-0132

Emergency Phone Num:800-424-9300(CHEMTREC)/800-524-0132

Preparer's

Name: VIRGIL W. FOWLER

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

Company Name: FEDERAL CONTRACT SERVICES, DIV OF FREELANDER CONSU

Address:9716 OLD KATY RD. #114

Box:City:HOUSTON

State:TX

ZIP:77055-6209 Country:US

Phone:713-668-9000

CAGE:01BX5

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

Ingred Name:UREA

CAS:57-13-6

RTECS #:YR6250000

Fraction

by Wt: 97-98%

Other REC Limits: NONE RECOMMENDED

Ingred Name:BIURET Fraction by Wt: 0-1%

Other REC Limits: NONE RECOMMENDED

Ingred Name: METHYLENE DIUREA

CAS:68611-64-3 Fraction by Wt: 0-1%

Other REC Limits: NONE RECOMMENDED

Ingred Name: UREA, FEED GRAD UREA, 96.75-98.25%.

CAS:57-13-6

RTECS #:YR6250000 Fraction by Wt: SEE ING

Other REC Limits: NONE RECOMMENDED

Ingred Name:CLAY, 1.75-3.25 Fraction by Wt: SEE ING

Other REC Limits: NONE RECOMMENDED

Ingred Name: NITROGEN, TOTAL

Fraction by Wt: 45-46.5%

Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture: DOMESTIC ANIMAL ORAL LD50=511MG/KG.

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

Health Hazards Acute and Chronic: INHAL: MAY CAUSE RESP TRACT IRRIT

ALTHOUGH NO INCIDENTS OF DUST INHAL HEALTH EFFECTS HAVE BEEN REPORTED.INGEST:MAY CAUSE GI DISTURBANCES.SINGLE DOSE OF 100 G REPORTEDLY CAUSED MILD SYMPT

OMS OF CNS DEPR ESSION.SKIN:SLIGHTLY

IRRIT.REPEAT/PROLONG CONTACT MAY CAUSE

REDDENING, ITCH, INFLAMM. CONTACT W/HEATED MATL CAUSE (SUPPLEM)

Explanation of Carcinogenicity:PER MSDS:CARCINOGEN NTP/IARC/OSHA/ACGIH:NO.

Effects of Overexposure:RESP TRACT IRRIT. GI DISTURBANCES:IRRIT, NAUSEA, VOMIT, DIARRHEA. CNS DEPRESSION:DROWSINESS, SLOW REFLEXES. SKIN IRRIT, REDDENING, ITCHING, INFLAMMATION. THERMAL BURNS. EYE

IRRIT.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACT

URER.
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First Aid:EYE:PROMPTLY FLUSH W/WATER.CONT FOR 15MINS OPENING EYELIDS.IRRIT PERSISTS CONSULT DR IMMED.SKIN:WASH THORO W/SOAP/WATER.CONTACT W/MOLTEN PRODUCT DO NOT REMOVE CLOTHING.FLUSH SKIN IMMED W/COLD WATER.IN HAL:REMOVE FRM EXPO.NOT BREATH ENSURE OPEN AIRWAY & INSTITUTE CPR.BREATH DIFFICULT ADMINISTER OXY IF AVAILABLE.GET MED ATTN.INGEST:DO NOT INDUCE VOMIT.KEEP WARM/TREAT FOR SHOCK.GET MED ATT N.(SUPPLEME)
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Extinguishing Media:ALL STD AGENTS ARE ACCEPTABLE.USE EXTINGUISHING AGENT SUITABLE FOR SURROUNIDNG FIRE.MATL ITSELF BURNS W/DIFFICULTY. Fire Fighting Procedures:UREA BECOMES SLIPPERY WHEN WET-GUARD AGAINST SLIPS/FALLS.EXPO FIREFIGHTERS HOULD WEAR MSHA/NIOSH APPROVED SCBA W/FULL FACEPCE/FULL PROT CLOTH. Unusual Fire/Explosion Hazard:HEAT >270F DECOMP TO BIURET,AMMONIA,NITROGEN OXIDES.SHORTTERM EXPO TO SMOKE/GASES MAY LEAD TO IRREVER LUNG INJURY W/O EARLY SIGNS/SYMP.MAY FORM EXPLO (SUPPLEME)
======== Accidental Release Measures =========
Spill Release Procedures:IF UNCONTAMINATED RECOVER & REUSE AS PRODUCT. PREVENT LARGE QUANTITITES FROM CONTACTING VEGETATION OR WATERWAYS. KEEP AWAY FROM LARGE SPILLS. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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Handling and Storage Precaution s:AVOID CONTACT W/EYES & REP/PROL CONTACT W/SKIN/CLOTH.AVOID DUST INHAL.STORE IN CLSD CNTNRS IN COOL DRY ISOLATED WELL VENTI AREA AWAY FRM HEAT/IGN SOUR Other Precautions:AVOID CONTAMINATION W/OTHER LOOK ALIKE MATLS THAT MAY PRODUCE FIRE/EXPLO. UREA IS A NATURALLY OCCURRING CHEMICAL IN BODY. IT'S AN END PRODUCT OF PROTEIN NMETABOLISM & IS EXCRETED IN THE URINE. NOTE:FE ED GRADE UREA DOES NOT CONTAIN BIURET. ===================================

Respiratory Protection: NORMALLY NONE NEEDED. USE NIOSH/MSHA APPROVED EQPMT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED. NIOSH/MSHA APPROVED BREATHING EQPMT MUST BE AVAILABLE FOR NON-ROUTINE & EMERGENCY USE.

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

Protective Gloves: IMPERVIOUS BUTYL RUBBER GLOVES.

Eye Protection: SAF GLASSES OR CHEM GOGGLES.

Other Protective Equipment:DO NOT WEAR CONTACT LENSES WHEN WORKING W/THIS MATL.EYEWASH FAC

ILITIES.PROT CLOTH TO PREVENT SKIN

CONTACT.MATL:BUTYL RUB

Work Hygienic Practices:LAUNDER CONTAMIN CLOTHING BEFORE REUSE. NO EPA HAZ SUBSTANCES NOR TOX CHEMICALS.

Supplemental Safety and Health

PH 7-10(10%AQU SOLN). EXPLO/FIRE HAZ:MIXTURE W/STRONG
ACID(NITRIC/PERCHLORIC). AVOID MATLS:BASES,NITRATES,RXS W/SODIUM OR
CALCIUM HYPOCHLORITE TO FORM EXPLO NITROGEN TIRCHLORIDE. HEALTH
HAZ:THERM BURN S.EYES:IRRIT.CONTACT W/HEATED MATL MAY CAUSE THERM
BURNS. 1STAID:IN EVENT OF ANY

MED EMERG W/PROD SEE DR/POI CNTRL CNTR.

HCC:N1
Melt/Freeze Pt:M.P/F.P Text:271F,133C
pH:SUPPLE
Solubility in Water:119G/100G @68F.

Appearance and Odor:WHITE SOLID, SPHERICAL OR GRANULAR SHAPE W/SLIGHT AMMONIA ODOR.

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

Stability Indicator/Materials to Avoid:YES

CNTNRS/PIPE/FITTINGS MADE OF BRASS,BRONZE,OTHER CU-BEARING ALLOYS OR GALVANIZED METALS;ST

RONG OXIDIZERS, ACIDS, (SUPPLEME)

Stability Condition to Avoid:MAY SLOWLY HYDROLYZE TO AMMONIUM CARBAMATE ON LONG STANDING WHICH DECOMPO TO AMMONIA & CO2.

Hazardous Decomposition Products:IRRIT TOXIC SUBSTANCES MAY BE EMITTED UPON THERM DECOMPO.DECOMP TO AMMONIA,BIURET,NITROGEN OXIDES,CARBON OXIDES.

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Waste Disposal Methods: AQUA TOXICITY CONSIDERATION INDICATES LOW ORDER OF TOXICITY. SINCE UREA IS FERTILIZER MAY PRO

MOTE EUTROPHICATION IN

WATERWAYS.DISPOSAL SUBJ TO FED/STATE/LOC REGS.USERS SHOULD REVIEW OPERATIONS IN TERMS OF APPLICABLE LAWS/REGS.CONSULT W/APPRO REG AGENC

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