

CAMECO SPECIALTY METALS DEPT -- URANIUM METAL -- 1560-00-021-5922

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

Product ID:URANIUM METAL

MSDS Date:05/01/1994

FSC:1560

NIIN:00-021-5922

MSDS Number: BTQXS

=== Responsible Party ===

Company Name:CAMECO SPECIALTY METALS DEPT

Address:1 ELDORADO PL

City:PORT HOPE

State:ON

Country:CA

Info Phone Num:905-885-4511

Emergency Phone Num:905-885-4511

Preparer's Name:JOHN

S. FRIEDMAN

CAGE:2C003

=== Contractor Identification ===

Company Name:CAMECO SPECIALTY METALS DEPT

Address:1 ELDORADO PL

Box:City:PORT HOPE

State:ON

Country:CA

CAGE:2C003

Company Name:LOCKHEED CORP LOCKHEED-GEORGIA CO DIV

Address:86 S COBB DR

Box:City:MARIETTA

State:GA

ZIP:30063

Country:US

Phone:404-494-4411

CAGE:98897

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

Ingred Name:URANIUM

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

===== Hazards I

dentification =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS NOT DETERMINED.

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

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

Health Hazards Acute and Chronic:INHALATION-DUST INHALATION CAN RESULT IN RADIATION DOSE TO LUNGS. KIDNEY DAMAGE CAN OCCUR DUE TO CHEMICAL TOXICITY. SKIN CONTACT-LOW LEVEL RADIATION DOSE CAN RESULT FROM CONTINUED EXPOSURE. EYE CONTACT-IRRITANT. INGESTION-INGESTION CAN RESULT IN RAD

IATION DOSE. KIDNEY DAMAGE CAN OCCUR DUE TO CHEMICAL TOXICITY.

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-REMOVE FROM WORKPLACE TO PREVENT FURTHER EXPOSURE AND SHOWER. SKIN CONTACT-WASH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. EYE CONTACT-FLUSH T

HOROUGHLY WITH WATER FOR AT LEAST 15

MINUTE S. GET MEDICAL AID. INGESTION-REMOVE FROM WORKPLACE TO PREVENT FURTHER EXPOSURE. GET MEDICAL AID.

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

Autoignition Temp:Autoignition Temp Text:800C

Extinguishing Media:CLASS D FIRE EXTINGUISHER, DRY SAND OR MAGNESIUMDIFLUORIDE SLAG.

Fire Fighting Procedures:FLAMMABLE; BURNS IN AIR AT 150-175C. IGNITES IN OXYGEN AT 170C. FINELY DIVIDED URANIUM METAL IS PYROPHIC. DO NOT

USE WATER TO ATTEMPT TO EXTINGUISH FIRE.

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

Spill Release Procedures:SIGNIFICANT ONLY IF FINELY DIVIDED. CLEANUP TO MINIMIZE DUSTING. SURVEY FOR ALPHA ACTIVITY.

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

Handling and Storage Precautions:STORE AWAY FROM ACIDS. USE LEATHER FACED GLOVES, WASH HANDS AFTER HANDLING BARE METAL. NORMAL INDUSTRIAL HANDLING AND HYGIENE.

Other Precautions:NONE

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Exposure Controls/Personal Protection
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Respiratory Protection:MSA COMFO II CHEMICAL CARTRIDGE RESPIRATOR.
Ventilation:ADEQUATE GENERAL AND LOCAL AIR EXHAUST SHOULD BE AVAILABLE.
Protective Gloves:LEATHER FACED GLOVES.
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.
Other Protective Equipment:LONG SLEEVED COVERALLS, SAFETY BOOTS, HARD HAT.
Work Hygienic Practices:NORMAL INDUSTRIAL HYGIENE.
Supplemental Safety and Health
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (L SA), N.O.S. USE YELLOW RADIOACTIVE II OR III LABELS.

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Physical/Chemical Properties
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HCC:A1
Boiling Pt:B.P. Text:6904F,3818C
Melt/Freeze Pt:M.P/F.P Text:2070F,1132C
Spec Gravity:19.05
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVERY-WHITE METAL; SOLID.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES
ACIDS; ATTACKED BY COLD WATER IN A FINELY DIVIDED STATE; METAL BECOMES COATED WITH A LAYER OF OXIDE IN AIR.
Stability Condition to Avoid:AVOID CONTACT WITH OPEN IGNITION SOURCES.
Hazardous Decomposition Products:URANO-URANIC OXIDE POWDER.

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Disposal Considerations
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Waste Disposal Methods:PLACE IN A SEALABLE CONTAINER (METAL, WOOD, ETC.)

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