

INWELD MFG CORP -- 2% THORIATED TUNGSTEN ELECTRODES -- 3439-00-727-5947

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

Product ID:2% THORIATED TUNGSTEN ELECTRODES

MSDS Date:07/01/2001

FSC:3439

NIIN:00-727-5947

Status Code:A

MSDS Number: CLNTD

=== Responsible Party ===

Company Name:INWELD MFG CORP

Address:3962 PROTLAND ST

Box:40

City:COPLAY

State:PA

ZIP:18037-0040

Country:US

Info Phone Num:610-261-1900

Emerge

ncy Phone Num:800-346-5368

CAGE:66376

=== Contractor Identification ===

Company Name:BLACK AND CO

Address:5351 W MINNESOTA ST

Box:UNKNOW

City:INDIANAPOLIS

State:IN

ZIP:46241

Country:US

Phone:317-243-8676

Contract Num:SP0490-00-D-4063

CAGE:00WU8

Company Name:INWELD MFG CORP

Address:3962 PORTLAND ST

Box:40

City:COPLAY

State:PA

ZIP:18037-0040

Country:US

Phone:610-261-1900

CAGE:66376

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

Ingred Name:TUNGSTEN

CAS:7440-33-7

RTECS #:YO7

175000
= Wt:98.
ACGIH TLV:5 MG/M3
ACGIH STEL:10 MG/M3

Ingred Name:THORIUM
= Wt:2.

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

Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO
Health Hazards Acute and Chronic:ELECTRIC SHOCK AND BURNS. RADIANT
ENERGY CAN PRODUCE "FLASH" BURNS OF EYES AND SKIN. GASES, FUMES,
AND DUST OVEREXPOSURE CAN CAUSE PERSONAL INJURY. NOISE OVEREXPOSURE
CAN DAMAGE HEARING.

Effects of Overexposure:SYMPTOMS WILL VARY ACCORDI
NG TO THE PROCESS AND
ITS APPLICATION. NOISE OVEREXPOSURE CAN DAMAGE HEARING. GASES,
FUMES AND DUST OVEREXPOSURE CAN CAUSE PERSONAL INJURY. BURNS,
REDNESS.

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

First Aid:ELECTRIC SHOCK AND BURNS: DEACTIVATE POWER. ADMINISTER CPR AS
REQUIRED. COVER BURNS WITH STERILE DRESSING, CALL A PHYSICIAN.

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

Extinguishing Media:WILL NOT BURN USE WATER TO COOL

Fire Fighting Procedures:NONE CURRENTLY KNOWN.
Unusual Fire/Explosion Hazard:NONE CURRENTLY KNOWN.

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

Spill Release Procedures:CLEAN OFF AND USE.

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

Handling and Storage Precautions:ARCS AND SPARKS DURING USE COULD BE
THE SOURCE OF IGNITION OF COMBUSTIBLE MATERIALS.

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

Respiratory Protection:

DEPENDS ON USE, CONDITION, AND LOCATION. USE
ADEQUATE VENTILATION OR PERSONAL RESPIRATORY PROTECTION.
Ventilation:LOCAL VENTILATION RECOMMENDED. SEE OSHA 29CFR1910.252 &
ANSI Z49.1. IN CONFINED AREAS LOCAL EXHAUST IS ESSENTIAL.
Protective Gloves:WELDDING GLOVES RECOMMENDED.
Eye Protection:SAFETY SPECTACLES OR WELDING GOGGLES.
Other Protective Equipment:SEE ANSI Z49.1, WELDING HELMET, FLAME
RETARDANT CLOTHING RECOMMENDED. SEE AWS C5.3.
Supplemental Safety and Health

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

HCC:N1
Boiling Pt:B.P. Text:ND
Melt/Freeze Pt:=618.C, #####F
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:APPROX: 1.80
pH:NA
Viscosity:NA
Evaporation Rate & Reference:NA
Solubility in Water:NA
Appearance and Odor:SILVER SOLID, NO ODOR.
Percent Volatiles by Volume:NA

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:ELEVATED
TEMPERATURES IN AN OXIDIZING
ENVIRONMENT.
Hazardous Decomposition Products:N/P BY MFR. HMIS: WELDING FUMES
(OXIDES OF METALS) AND GASES SUCH AS OZONE, CARBON MONOXIDE, CARBON
DIOXIDE, NITROGEN OXIDES?MAY BE FORMED.

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

Waste Disposal Methods:NORMAL, ENVIRONMENTALLY ACCEPTABLE, INDUSTRIAL
WASTE DISPOSAL, LAND FILL, BURIAL, ETC. DISPOSE OF IN ACCORDANCE
WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (pr

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.