View NSN Online: https://aerobasegroup.co.il/nsn/3439-00-357-7860

IRELAND ALLOYS, INC -- COBALT BASE ALLOY, STELLITE 31-X45 -- 3439-00-357-7860

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

Product ID:COBALT BASE ALLOY, STELLITE 31-X45

MSDS Date:11/21/1985

FSC:3439

NIIN:00-357-7860 Status Code:A

MSDS Number: CLNCF === Responsible Party ===

Company Name: IRELAND ALLOYS, INC

Address:UNK Box:41000 City:HOUSTON

State:TX

ZIP:77240-1000 Country:US

Info Phone Num:713-937-1111

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mergency Phone Num:713-937-1111

CAGE:UO495

=== Contractor Identification ===

Company Name: IRELAND ALLOYS, INC

Address:UNK Box:41000 City:HOUSTON

State:TX

ZIP:77240-1000 Country:US

Phone:713-937-1111

CAGE:UO495

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

Ingred Name: CHROMIUM

CAS:7440-47-3

RTECS #:GB4200000

= Wt:2.5

OSHA PEL:1 MG/M3 ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: COBALT

CAS:7440-48-4

RTECS #:GF8750000

= Wt:56.

OSHA PEL:0.1 MG/M3

ACGIH

TLV:0.05 MG/M3

Ingred Name:IRON CAS:7439-89-6 RTECS #:NO4565500 = Wt:2. **OSHA PEL:NONE ACGIH TLV:NONE**

Ingred Name:NICKEL CAS:7440-02-0 RTECS #:QR5950000

= Wt:10.

OSHA PEL:1 MG/M3 ACGIH TLV:1 MG/M3 EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

Ingred Name:TUNGSTEN CAS:7440-33-7 RTECS #:YO7175000 = Wt:7.**OSHA PEL:NONE** ACGIH TLV:5 MG/M3

ACGIH STEL:10 MG/M3

Ingred Name: CARBON CAS:7440-44-0

RTECS #:FF5250000

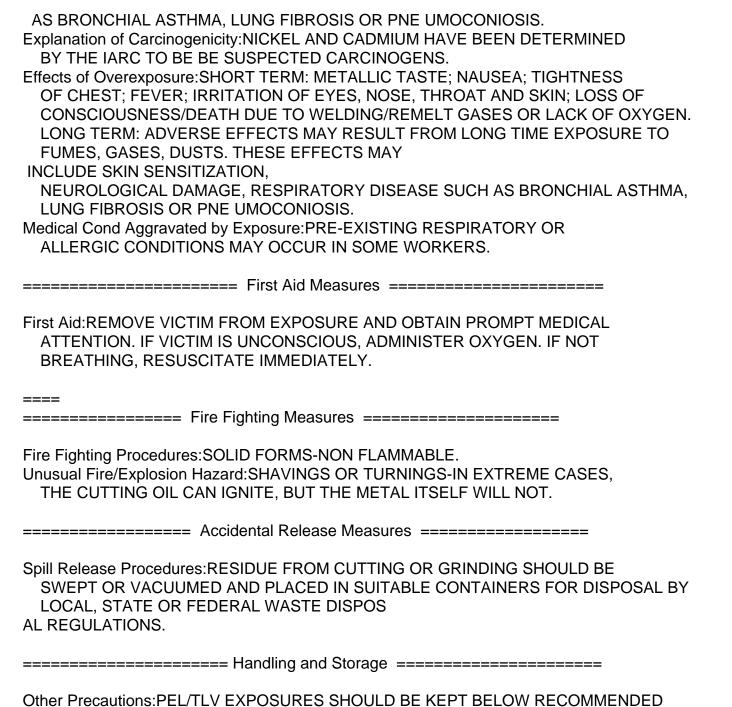
= Wt:.5

OSHA PEL:5000 PPM/DIOXIDE ACGIH TLV:5000 PPM/DIOXIDE

======	=======================================	Hazards	s Ide
ntification	=======================================	======	=

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES Health Hazards Acute and Chronic:SHORT TERM: METALLIC TASTE; NAUSEA;

TIGHTNESS OF CHEST; FEVER; IRRITATION OF EYES, NOSE, THROAT AND SKIN; LOSS OF CONSCIOUSNESS/DEATH DUE TO WELDING/REMELT GASES OR LACK OF OXYGEN. LONG TERM: ADVERSE EFFECTS MAY RESULT FROM LONG TIME EXPOSURE TO FUMES, GASES, DUSTS. THESE EFFECTS MAY INCLUDE SKIN SENSITIZATION, NEUROLOGICAL DAMAGE, RESPIRATORY DISEASE SUCH



RECOMMENDATIONS BY OSHA AND ASGIH TO ENSURE PROPER HEALTH

Respiratory Protection: WHEN EXPOSURE LIMITS ARE EXCEEDED, USE PROPER

Ventilation: USE LOCAL EXHAUST WHEN CUTTING, GRINDING, WELDING OR

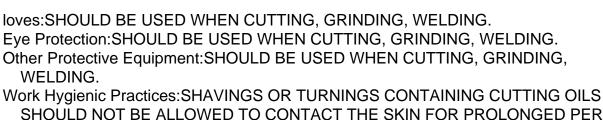
====== Exposure Controls/Personal Protection ========

PROTECTION OF WORKER.

APPROVED VENTILATION.

REMELTING.

Protective G



SHOULD NOT BE ALLOWED TO CONTACT THE SKIN FOR PROLONGED PERIODS. INADVERTENT SHORT TERM CONTACT IS HARMLESS.

Sunnlemental Safety and Health

PHYSICAL DATA-COBALT BASE ALLOY PRODUCTS ARE SHIPPED AS SOLID FORMS, OF AS METAL SH
AVINGS OR BOINGS. THE SHAVING OR BORINGS WILL EITHER BE DRY & COMPLETELY FREE OF CUTTING OIL, OR WILL CONTAINA SMALL % OF WATER SOLUBLE CUTTING OIL.
========= Physical/Chemical Properties =========
HCC:N1 Appearance and Odor:SOLID FORMS, OR AS METAL SHAVINGS OR BORINGS
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES COBALT IS INCOMPATIBLE WITH ACETYLENE, HYDRAZINE, NITRATES AND OXIDANTS. Stability
Condition to Avoid:METAL PRODUCTS THEMSELVES ARE NOT REACTIVE, HOWEVER, CAUTION MUST BE TAKEN WHEN WELDING AND REMELTING DUE TO FUMES AND GASES.
========= Toxicological Information ==========
Toxicological Information:PHYSIOLOGICAL EFFECTS-COBALT CAUSES A DERMATITIS OF THE ALLERGIC SENSITIVITY TYPE AT POINTS OF FRICTION. COBALT TOXICITY ALSO RESULTS IN A PROGRESSIVE, DIFFUSE, INTERSTITIAL PNEUMONIA WITH A NON-PRODU CTIVE COUGH, DYSPNEA ON EXERTION.
INTERSTITIAL FIBROSIS & CELL DAMAGE. OTHER WORKERS HAVE EXPERIENCED A SENSITIZED RESPIRATORY DISEASE CHARACTERIZED BY COUGH, WHEEZING AND SHORTNESS OF BREATH WHERE UP ON REMOVAL FROM ENVIRONMENT, THE SYMPTOMS SUBSIDE.
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======= Disposal Considerations ===========

Waste Disposal Methods: RESIDUE FROM CUTTING OR GRINDING SHOULD BE SWEPT OR VACUUMED AND PLACED IN SUITABLE CONTAINERS FOR DISPOSAL BY LOCAL, STATE OR FEDERAL WASTE DISPOSAL REGULATIONS.

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

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