

INDUSTRIAL SMELTING CO.(ISCO DIV) -- TIN/LEAD ALLOY -- 3439-01-009-6254

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

Product ID:TIN/LEAD ALLOY

MSDS Date:01/01/1987

FSC:3439

NIIN:01-009-6254

MSDS Number: BGCZS

=== Responsible Party ===

Company Name:INDUSTRIAL SMELTING CO.(ISCO DIV)

Address:19430 MOUNT ELLIOTT AVE.

City:DETROIT

State:MI

ZIP:48234-2725

Country:US

Emergency Phone Num:313-892-5300

CAGE:7P279

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Contractor Identification ===

Company Name:INDUSTRIAL SMELTING CO

Address:19430 MOUNT ELLIOTT AVE

Box:City:DETROIT

State:MI

ZIP:48234-2725

Country:US

Phone:313-345-5500

CAGE:7P279

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

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 63.5%

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 35.5%

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DU

ST 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 0.5%
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 0.08%
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BISMUTH
CAS:7440-69-9
RTECS #:EB2600000
Fraction by Wt: 0.25%

Ingred Name:ARSEN
IC (SARA III)
CAS:7440-38-2
RTECS #:CG0525000
Fraction by Wt: 0.03%
OSHA PEL:0.5 MG/M3 (AS)
ACGIH TLV:0.01,A1 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 0.02%

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.005%
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: 0.005%
OSHA

PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

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

Effects of Overexposure:EARLY SYMPTOMS OF LEAD INTOXICATION INCLUDE
CONSTIPATION,INSOMNIA,GASTROINTESTINAL DISORDERS,ANEMIA,WEAKNESS &
JOINT PAIN.

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

First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF
NEED;EYES/SKIN:FLUSH W LG AMTS H*2O FOR 15 MIN;INGEST:RINSE MOUTH;
GET MEDICAL ATTENTION
FOR EYES, BREATHING DIFFICULTY, OR OTHER
SYMPTOMS OF OVEREXPOSURE.

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

Flash Point:NONE KNOWN
Extinguishing Media:ANY SUITABLE MEDIA FOR SURROUNDING FIRES.
Fire Fighting Procedures:DO NOT USE WATER.USE NIOSH APPROVED SCBA WITH
FULL PROTECTIN
Unusual Fire/Explosion Hazard:NONE NOTED

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

Spill Release Procedures:USE PROPER PERSNAL PROTECTION;NO SPECIAL
M
ETHOD,FOR SCRAP METAL.IF DUST THERE,USE VACUUM AND COLLECT FOR
PROPER DISPOSAL.

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

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE MATERIALS
AND KEEP AWAY FROM SOURCES OF IGNITION;USE GOOD HOUSE KEEPING AND
PERSNAL HYGIENE.
Other Precautions:AVOID CONTACT WITH SKIN AND EYES;USE PROPER PERSNAL
PROTECTIVE EQUIPMENT IN CASE METAL DUST/FMES+LEAD CAN CAUSE LEAD
POISONING ALSO AFFECTS CNS DISORDER.INGE

ST:G.I PAIN,MUSCLE
PAIN,WEAKNESS.

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

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY/CHEM GOGGLES

Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION

Supplemental Safety and Health

MSDS DATED SEPT,185.ITEM IS OF SPEC QQ-S-571,I FORM AND S

TYPE;ANTIMONYTRIOXIDE,AS,CD HAVE BEEN IDENTIFIED AS POTENTIAL HUMAN
CARCINOGENS(IN THE FORM OF ME
TAL FUMES) INGREDIENTS:AS