

# MATERIAL SAFETY DATA SHEET

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LEAD

3582-22

## SECTION 1 – GENERAL INFORMATION

SUPPLIER.....: Saxon Metals  
EMERGENCY PHONE.....: 219-659-2600  
OTHER PHONE CALLS.....:  
ADDRESS.....: P.O. Box 9  
CITY.....: Hammond, IN 46325  
DATE PREPARED.....: 03/19/04

## SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

TRADE NAME LEAD

INGREDIENT NAME	CAS	OSHA PEL	ACGIH TLV	OTHER	PERCENT
LEAD	7439-92-1	.05Mg/M <sup>3</sup>	.15Mg/M3		>95
ANTIMONY	7440-36-0	0.5Mg/M3	0.5Mg/M3		<5

## SECTION III – CHEMICAL CHARACTERISTICS

BOILING POINT	MELTING POINT	FREEZING POINT	SPECIFIC GRAVITY (H2O=1)
1700 C/ 3100 F	320 C/ 600 F	NA	10

PERCENT VOLATILE By VOLUME	THEORETICAL VOC CONTENT (percent of WEIGHT)	WEIGHT PER GALLON	pH NA Cone: NA
NA	NA	NA	

VAPOR PRESSURE (mm of Hg)	VAPOR DENSITY (Air = 1)	DENSITY	EVAPORATION RATE BASIS ( )
1 @ 973 C	NA	NA	NA

SOLUBILITY IN WATER	REACTIVITY IN WATER
INSOLUBLE	MOLTEN METAL REACTS VIOLENTLY

APPEARANCE AND ODOR..... APPEARANCE IS DEPENDENT UPON COMPOSITION. HOWEVER, MOST OFTEN IT APPEARS AS A SOFT BLUISH-GRAY METAL.

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	METHOD	FLAMMABLE LIMITS IN AIR (%)	AUTOIGNITION TEMPERATURE
NA	NA	UPPER: NA LOWER: NA	NA

NFPA CODES: HEALTH.....: 2  
FLAMMABILITY.....: 0  
REACTIVITY.....: 0  
OTHER.....: 0

HMIS CODES: HEALTH.....: 2  
FLAMMABILITY.....: 0  
REACTIVITY.....: 0  
OTHER.....: G

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- EXTINGUISHER MEDIA.....:** LEAD SCRAP IS NOT FLAMMABLE. SELECTION OF FIRE FIGHTING MEDIA DEPENDENT UPON SURROUNDING MATERIALS. IF DUST BECOMES INVOLVED IN A FIRE, A CLASS D FIRE EXTINGUISHER SHOULD BE USED.
- SPECIAL FIRE FIGHTING PROCEDURES.....:** IF FIRE OCCURS IN LEAD DUST, CLASS D FIRE EXTINGUISHERS FOR METAL FIRES SHOULD BE USED.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** THIS MATERIAL COULD BE EXPLOSIVE IF FINELY DIVIDED PARTICLES ARE SUSPENDED IN AIR.

## SECTION V – REACTIVITY DATA

**IS THIS CHEMICAL STABLE UNDER NORMAL CONDITIONS OF HANDLING/STORAGE (Y/N)?** Y

**CONDITIONS TO AVOID (REGAURDING STABILITY):** AVOID DISPERSION OF DUST IN AIR, MAY BE FLAMMABLE OR EXPLOSIVE.

**INCOMPATIBILITY (MATERIALS TO AVOID).....:** BROMINE; BROMINE TRIFLUORIDE; CHLORINE; CHLORINE TRIFLUORIDE; COPPER NITRATE; SULPHUR AND HYDROGEN PEROXIDE; AMMONIUM NITRATE; POTASSIUM PEROXIDE; SODIUM NITRATE; SODIUM CARBIDE; ZIRCONIUM; DISODIUM ACETYLIDE; OXIDANTS.

**HAZARDOUS DECOMPOSITION PRODUCTS.....:** MAY RELEASE FUMES CONTAINING METAL OXIDES.

**HAZARDOUS POLYMERIZATION POSSIBLE (Y/N).....:** N

**CONDITIONS TO AVOID (REGARDING POLYMERIZATION):** NONE

## SECTION VI – HEALTH HAZARDS

**ROUTES OF ENTRY.....:** INHALATION, INGESTION

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**ACUTE OVEREXPOSURE.....:** EYE IRRITATION; WEAKNESS; CONSTIPATION; ABDOMINAL PAIN; COLIC; ANEMIA; INSOMNIA.

**CHRONIC OVEREXPOSURE.....:** FACIAL PALLOR; WRIST DROP; MALNUTRITION; TREMORS; ENCEPHALOPATHY; NEPHROPATHY; HYPOTENSION. LEAD, ARSENIC, AND CADMIUM ARE POTENTIAL CARCINOGENS.

**CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN**

<b>NATIONAL TOXICOLOGY PROGRAM</b>	<b>IARC MONOGRAPHS</b>	<b>OSHA</b>
Y	Y	Y

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## MEDICAL CONDITIONS GENERALLY

**AGGRAVATED BY EXPOSURE.....:** ANY CONDITION AFFECTING THE GI TRACT, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD, OR GINGIVAL TISSUE.

## EMERGENCY AND FIRST AID PROCEDURES

1. **INHALATION.....:** REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. MAINTAIN AIRWAY AND BLOOD PRESSURE AND ADMINISTER OXYGEN IF AVAILABLE. ADMINISTRATION OF OXYGEN SHOULD BE PERFORMED BY QUALIFIED PERSONNEL. KEEP AFFECTED PERSON WARM AND AT REST. GET MEDICAL ATTENTION IMMEDIATELY.
2. **EYE CONTACT.....:** WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER, OCCASIONALLY LIFTING UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF SUBSTANCE REMAINS. APPROXIMATELY 15-20 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
3. **SKIN CONTACT.....:** REMOVE CONTAMINATED CLOTHING AND SHOES. WASH AFFECTED AREA WITH SOAP OR MILD DETERGENT AND LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF SUBSTANCE REMAINS. GET MEDICAL ATTENTION IF SIGNIFICANT IRRITATION RESULTS.
4. **INGESTION.....:** TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION IMMEDIATELY. IF VOMITING OCCURS KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

**HAZARD CLASS.....:** NA  
**U.S. DOT ID.....:** NA  
**UN NUMBER.....:** NA  
**NA NUMBER.....:** NA

### PRECAUTIONS TO BE TAKEN

**IN HANDLING AND STORAGE.....:** AVOID DISPERSION OF FINE DUST.

**OTHER PRECAUTIONS.....:** AVOID DUST ACCUMULATION WHICH MAY BE FLAMMABLE OR EXPLOSIVE.

### STEPS TO BE TAKEN IN CASE

**MATERIAL IS RELEASED OR SPILLED:** IF MATERIAL IS IN A MOLTEN FORM, KEEP UNNECESSARY PEOPLE AWAY; ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND; KEEP OUT OF LOW AREAS. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL; STOP LEAK IF IT CAN BE DONE WITHOUT RISK. DO NOT GET WATER INSIDE CONTAINER, SOLID MATERIAL SHOULD NOT PRESENT A HAZARD.

**WASTE DISPOSAL METHODS.....:** IF NOT RECYCLED. DISPOSE OF MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS FO 40 CFR SUBTITLE C AND OTHER APPLICABLE FEDERAL STATE AND LOCAL REGULATIONS.