

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)
All acid core including 40/60

Note: Blank space are not permitted, if and item is not applicable, or no information is available, the space must be marked to indicate that.

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| Section I | |
| Manufacturer's Name PRECISE ALLOYS, INC. | Emergency Telephone Number 732-233-5951 |
| Address (Number, Stree, City, State, and ZIP Code) 684 E. 133rd Street, Bronx, N.Y. 10454 | Telephone Number for Information 1-800-345-2660 |
| Trade Name and Synonyms | Date Prepared 7/1/03 |
| Tin/Lead Formulation to Specification | Signature of Preparer (optional) |

| | | | | |
|--|------------|------------|-----------|--------------|
| Section II - Hazardous Ingredients/Identity Information | | | | |
| Hazardous Components (Special Chemical Identity; Common Name(S)) | OSHA PEL | ACGIH TLV | CAS # | % (optional) |
| LEAD(PB) | .05mg/m3 | .05mg/m3 | 7439-92-1 | 20-80 |
| TIN(SN) | 2.0mg/m3 | 2.0mg/m3 | 7440-31-5 | 20-80 |
| UREA | 10-15mg/m3 | 10-15mg/m3 | 57-13-6 | 0.0-1.5 |
| ZINC CHLORIDE | 1-2mg/m3 | 1-2mg/m3 | 7646-85-7 | 0.0-1.5 |

| | | | | |
|--|--------------------------------------|------------|---|-----------------------|
| Section III - Physical/Chemical Characteristics | | | | |
| Boiling Point | Tin (centigrade) Lead(centigrade) | n/a n/a | Specific Gravity (H2o = 1) | Tin 7-11 Lead 7-11 |
| Vapor Pressure (mm Hg.) | Tin N/A Lead N/A | | Melting Point | 376 farenheit |
| Vapor Density (AIR = 1) | | N/A | Evaporation Rate (Butly Acetate = 1) | N/A |
| Solubility in Water | negligible | | | |
| Appearance and Odor | grey color-no odor | | | |

| | | | | |
|--|--|-------------------|-----|-----|
| Section IV - Fire and Explosion Hazard Data | | | | |
| Flash Point (Method Used) | not flammable | Flammable Limited | LEL | UEL |
| Extinguishing Media | N/A | n/a | | |
| Special Fire Fighting Procedures | No special instructions available-Use methods appropriate for surrounding material | | | |
| Unusual Fire and Explosion Hazards | metal fumes,toxic fumes | | | |

(Reproduce locally)

OSHA 174,
Sept. 1985

| | | | | |
|---|-----------------------------|---|---------------------|------------|
| Section V - Reactivity Data | | | | |
| Stability | Unstable Stable | X | Conditions to Avoid | none known |
| Incompatibility (Materials to Avoid) | | | | |
| Hazardous Decomposition or B Lead fumes at high temperatures(800 degrees farenheit) | | | | |
| Hazardous Polymerization | May Occur Will Not Occur | X | Conditions to Avoid | |

Section VI - Health Hazard Data

| | | | |
|--------------------|-------------|-------|------------|
| Route(s) of Entry: | Inhalation? | Skin? | Ingestion? |
| | YES | YES | YES |

Health Hazard: Inhalation-respiratory irritation, dizziness, weakness, fatigue, nausea, headache

Eyes-irritation, reddening and tearing

Skin-can cause slight irritation

Ingestion-irritating to mouth, throat and stomach. Can cause abdominal discomfort, diarrhea, vomiting or nausea.

| | | | |
|------------------|-----|------------------|-----------------|
| Carcinogenicity: | NTP | IARC Monographs? | OSHA Regulated? |
|------------------|-----|------------------|-----------------|

Not confirmed as human carcinogens at this time by NTP, IARC, OSHA

Lead is toxic and cumulative affecting kidneys, reproductive and nervous system. Symptoms of chronic overexposure include anemia, insomnia, weakness, irritability, stomach pain. Tin is not regarded toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea. This product for welding or similar applications produces chemicals known to cause cancer and birth defects.

Medical Conditions

Generally Aggravated by Exposure

Emergency or Wash thoroughly, remove contaminated clothing, move to fresh air, if ingested seek medical attention immediately.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Allow to solidify and collect in sealed containers for disposal.

Waste Disposal: Return to supplier for reprocessing

Precautions to Be Taken in Handling and Storing

If fumes or dust are being generated mechanical ventilation must be provided to maintain exposure level below TLV'S. Respiratory protection is recommended but only required if TLV'S are exceeded.

Wear safety glasses during soldering applications. Wash hands thoroughly.

Store in cool, dry conditions in closed container-keep away from food and drinking water

Other Precaution: remove contaminated clothing and wash before reuse

see OSHA 29CFR 1910.1025 (Lead); and/or 29CFR 1910.1000 (Tin)

Section VIII - Control Measures

| | | |
|------------------------|---|---|
| Respiratory Protection | If TLV (s) exceeded, see OSHA 29CFR 1910.1025 table II (lead) and/or 1910.134 (tin) | |
| Ventilation | Local Exhaust ANSI 79.2-1960 - (fume hood over soldering area) | Special respiratory protection may be worn |
| | Mechanical (General) ACGIH "Industrial Ventilation" 13th edition | Other |

| | | | |
|-------------------|------------------------|----------------|----------------------------|
| Protective Gloves | YES wash thoroughly | Eye Protection | Safety glasses recommended |
|-------------------|------------------------|----------------|----------------------------|

Other Protection: As required to meet applicable OSHA 29CFR 1910.1025 (lead) and/or 29CFR 1910.1000 (tin) when TLV(s) exceeds