



Quality Through People and Technology

*Sn 50 / Pb 50 Solid Wire***MATERIAL SAFETY DATA SHEET****Section 01**

Info furnished by:

Identification

Amerway, Inc.  
3701 Beale Avenue  
Altoona, PA 16601

Date Effective:

01-01-2008

Emergency Phone:

814-944-0200

Chemtrec

800-424-9300

Product or Trade Name

50/50 wire solder

Person to Contact

Terry Buck

Section 02Constituents

Chem

CAS

%WT

Carcinogen

TLV/TWA

Lead

7439-92-1

45-55

NO

0.5mg/cu m ACGIH  
0.05mg/cu m OSHA (PEL)

Tin

7440-31-5

45-55

NO

2mg/cu m (inorganic) OSHA

Product contains a chemical subject to SECTION 313 of SARA Title III

Section 03Physical Data

Melting Point

Approx. 421 Fahrenheit

Boiling Point

N/A

Vapor Pressure

Not volatile

Vapor Density (air is 1)

Not volatile

Solubility in Water

NIL

Apprence &amp; Color

Gray colored metal

Density

11.36 approx, depending on composition

Odor

None

%Volatile

NIL

ph

N/A

Evaporation Rate(nBuAc=1)

N/A

Section 04Fire & Explosion Hazard Data

Flash Point/Method Used  
Flammable Limits  
Extinguishing Media  
Fire-fighting equipment

Not Flammable  
N/A  
N/A  
If metal is present where there is a fire, wear self-contained breathing apparatus in case of poisonous lead fumes.

Special precautions

None

Section 05

Reactivity Data

Stability:  
Conditions to avoid  
Hazardous Polymerization:  
Conditions to avoid  
Incompatibility:

Stable  
N/A  
Will not occur  
N/A  
Strong acids, oxidizers, reducing agents, halogens.

Hazardous Decomposition

Products:

Lead Fumes at high temperatures (above 800 degrees F.)

Section 06

Spill, Leak and Disposal Procedures

Action to take for spills/leaks:

Allow to solidify and collect in sealed containers for disposal.

Disposal Method:

Return to supplier for reprocessing

Section 07

Health Hazard Data

Eye:  
Skin Contact:  
Skin Absorption:  
Ingestion:

Dust or fume will be irritant.  
Not a route of entry into the body.  
Not a route of entry into the body.  
Ingestion of dust or fume must be avoided.  
Lead is toxic and cumulative, affecting the kidneys,, reproductive system and nervous system. Symptoms of chronic overexposure include anemia, insomnia, weakness, irritability, constipation and stomach pains. Tin is not regarded as toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea.  
This product, when used for welding and similar applications, produces chemicals known to cause cancer and birth defects (or other reproductive harm). (California Health & Safety Code 25249.5 et seq).

Inhalation: Inhalation of dust and fumes must be avoided.  
Irritation of nose and bronchial tracts may occur as well as effects due to absorption of lead, etc. in blood stream.

Systemic & Other Effects: UNK.

#### Section 08

#### First Aid Procedures

Eyes: Flush with water for 15 minutes.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing.

Ingestion: Induce vomiting if person is conscience. Get medical attention.

Inhalation: Remove to fresh air. Get medical attention.

Note to Physician: N/A

#### Section 09

#### Special Handling Information

Ventilation: If fume or dust is being generated, mechanical ventilation must be provided to maintain exposure level below TLV'S.

#### Respiratory

Protection: Only required if TLV's are exceeded. Use a NIOSH/MSHA approved respirator for toxic dust and/or fume. Note: See 29CFR1910.1025 subpart (f) of OSHA's Lead Standard.

Eye Protection: Wear safety glasses as required.

Skin Protection: Not normally needed but wash hands thoroughly.

Other: N/A

#### Section 10

#### Special Precautions & Additional Information

Storage: Store in dry conditions.

#### Handling

Information: Lead use is regulated under OSHA 29CFR 1910.1025. No food or drink should be allowed in areas where these products are handled. Personnel must wash thoroughly after handling the metal before drinking, eating or smoking.

#### Section 11

#### Transportation

Proper Shipping Name: Not Required

UN Number: N/A

NA Number: N/A

Dot Exemption No.: N/A

Hazard Classes: N/A

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