

**OATEY 95/5 SOLID WIRE SOLDER**

Latest Revision Date...06/06/00

**Section 1 IDENTITY OF MATERIAL**

TRADE NAME OATEY 95/5 SOLID WIRE SOLDER  
PRODUCT NUMBERS 22004, 22017, 22018, 53026, 53027, 53152  
FORMULA 95/5  
SYNONYMS 95/5 Solder

**SECTION 2 HAZARDOUS INGREDIENTS**

<u>INGREDIENTS</u>	<u>%</u>	<u>CAS NUMBER</u>	<u>SEC 313</u>
Tin	95%	7440-31-5	No
Antimony	5%	7440-36-0	Yes

**SECTION 3 KNOWN HAZARDS UNDER 29 CFR 1910.1200**

<u>HAZARDS</u>	<u>YES</u>	<u>NO</u>	<u>HAZARDS</u>	<u>YES</u>	<u>NO</u>
Combustible Liquid		X	Skin Hazard		X
Flammable Material		X	Eye Hazard		X
Pyrophoric Material		X	Toxic Agent		X
Explosive Material		X	Highly Toxic Agent		X
Unstable Material		X	Sensitizer		X
Water Reactive Material		X	Kidney Toxin	X	
Oxidizer		X	Reproductive Toxin		X
Organic Peroxide		X	Blood Toxin		X
Corrosive Material		X	Nervous System Toxin		X
Compressed Gas		X	Lung Toxin	X	
Irritant	X		Liver Toxin	X	
Carcinogen NTP/IARC/OSHA (see SECTION 6)		X			

**SECTION 4 REGULATION**

<u>CHEMICAL</u>	<u>TLV (TWA)</u>	<u>PEL</u>	<u>STEL</u>	<u>Hazard Action Level</u>
Tin (Inorganic)	2.0 mg/cu m	2.0 mg/cu m	N/A	N/A
Antimony	0.5 mg/cu m	0.5 mg/cu m	N/A	N/A

**SECTION 5 REGULATED IDENTIFICATION**

DOT PROPER SHIPPING N/A  
NAME  
DOT HAZARD CLASS N/A  
SHIPPING ID NUMBER N/A  
EPA HAZARDOUS WASTE ID NUMBER N/A  
EPA HAZARD WASTE CLASS N/A

**SECTION 6 EFFECTS OF EXPOSURE**

ENTRY ROUTE INHALE - YES INGEST - YES SKIN - YES EYE n YES  
INHALATION If heated, fumes may produce respiratory irritation, fever, chills, muscular pain, vomiting, dizziness, sweating, and a metallic taste in mouth. Overexposure to fumes can cause a flu-like condition called Metal Fume Fever. Overexposure to antimony fumes has been known to cause heart irregularities.  
SKIN Fumes may cause irritation.  
EYE Fumes may cause irritation.  
INGESTION May cause abdominal pain, nausea, vomiting, diarrhea, gastrointestinitis, internal cuts or obstructions.  
TARGET ORGANS Lung, Skin, Eye, Irritant by heated fumes; Kidneys, Liver, Heart

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**SECTION 7 EMERGENCY AND FIRST AID PROCEDURES - 303/623-5716 COLLECT**

SKIN	If irritation arises, wash thoroughly with soap and water. Seek medical attention if irritation persists.
EYES	If fumes cause irritation, move to fresh air and irrigate eyes with water for 15 minutes. If irritation persists, seek medical attention. If eye is struck with wire, seek medical attention.
INHALATION	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician immediately.
INGESTION	Drink water and call a poison control center or physician immediately. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

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**SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES**

NFPA HAZARD SIGNAL	HEALTH 1	FLAMMABILITY 0	STABILITY 0	SPECIAL NONE
BOILING POINT	N/A			
MELTING POINT	450 Degrees ñ 464 Degrees F			
VAPOR PRESSURE	N/A			
VAPOR DENSITY (AIR = 1)	N/A			
VOLATILE COMPONENTS	N/A			
SOLUBILITY IN WATER	Insoluble			
PH	N/A			
SPECIFIC GRAVITY	9-11			
EVAPORATION RATE	N/A			
APPEARANCE	Silver-Gray Wire Metal			
ODOR	None			
WILL DISSOLVE IN	N/A			
MATERIAL IS	Solid			

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**SECTION 9 FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY	LEL = N/A	UEL = N/A
FLASHPOINT AND METHOD USED	N/A	
STABILITY	Stable. CONDITIONS TO AVOID: N/A. HAZARDOUS DECOMP. PRODUCTS: Metal fumes above melting point.	
HAZARDOUS POLYMERIZATION	Will not occur. MATERIALS TO AVOID: None.	
INCOMPATIBILITY/ MAT. TO AVOID	Strong Oxidizers, acids, Potassium & halogen gases.	
SPECIAL FIRE FIGHTING PROCEDURE	FOR SMALL FIRES: Use dry chemical, CO(2), water or foam extinguisher. FOR LARGE FIRES: Evacuate area and call fire department immediately.	

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**SECTION 10 SPILL AND DISPOSAL INFORMATION**

SPILL OR LEAK PROCEDURES	Place material in a closed container.
WASTE DISPOSAL	According to local, state and federal regulations.

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**SECTION 11 SAFE USAGE DATA**

PROTECTIVE EQUIPMENT TYPES	EYES: Safety glasses with side shields. RESPIRATORY: NIOSH-approved respirator for toxic dust/fumes. GLOVES: Rubber. OTHER: None.
VENTILATION	GENERAL MECHANICAL: Necessary if soldering in non-ventilated area. LOCAL

EXHAUST: Open doors and windows to remove fumes.  
PRECAUTIONS                      HANDLING AND STORAGE: Practice good personal hygiene and housekeeping.

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**SECTION 12 MANUFACTURER OR SUPPLIER DATA**

FIRM NAME & MAILING    OATEY CO., 4700 West 160th Street, P.O. Box 35906, Cleveland, Ohio 44135  
ADDRESS

OATEY PHONE NUMBER    (216) 267-7100

EMERGENCY PHONE        (303) 623-5716 COLLECT  
NUMBER

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**SECTION 13 DISCLAIMER**

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