OATEY 95/5 SOLID WIRE SOLDER

Latest Revision Date...06/06/00

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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

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SECTION 2 HAZARDOUS INGREDIENTS

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

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SECTION 3 KNOWN HAZARDS UNDER 29 CFR 1910.1200

HAZARDS	YES	NO	HAZARDS	YES	NO
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			

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SECTION 4 REGULATION

CHEMICAL	TLV (TWA)	PEL	STEL	Hazard Action Level
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

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SECTION 5 REGULATED IDENTIFICATION

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

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SECTION 6 EFFECTS OF EXPOSURE

ENTRY ROUTE	INHALE - YES INGEST - YES SKIN - YES EYE ñ 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 ADDRESS	OATEY CO., 4700 West 160th Street, P.O. Box 35906, Cleveland, Ohio 44135
OATEY PHONE NUMBER	(216) 267-7100
EMERGENCY PHONE NUMBER	(303) 623-5716 COLLECT

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SECTION 13 **DISCLAIMER**

The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, Oatey cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.