AMIS RATING	
Health	N/A
Flammability	N/A
Reactivity	N/A

MATERIAL SAFETY DATA SHEET

NFPA 704 RA	TING
Health	3
Flammability	1
Reactivity	0
NFPA 30B LE	VEL
N/A	

Kimbal-Midwest P.O. Box 2488 Columbus, OH 43216-2488 Corporate & Emergency Telephone (614-228-6701)

1. PRODU	ICT IDEN	NTIFIC/	NOIT

PART NUMBER	
PRODUCT NAME	50/50 SOLID WIRE SOLDER
DOT SHIPPING	Not regulated,

2. HAZARDOUS INGREDIENTS

Specific chemical identity, common names	osha pel	ACGIH TLV	STEL	₩,
*Lead (7439-92-1)	.05mg/m ₃	.15mg/m	•	50
Tin (7440-31-5)	2mg/m₃	2mg/m₃	•	50

All chemical compounds marked with an asteriak (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

3. PHYSICAL DATA

BOILING POINT (RANGE)	N/A
VAPOR PRESSURE PSIG 070'F	
VAPOR DENSITY (AIr = 1)	
"OLUBILITY IN WATER	Insoluble
ECIFIC GRAVITY (H20 x 1	
ELTING/FREEZING POINT	
EVAPORATION RATE	NI
APPEARANCE AND ODOR	Sliver-gray metal wire, odorless

4. FIRE AND EXPLOSION DATA

FLASH POINT	NA
UPPER EXPLOSIVE LIMIT (%)	N/A
LOWER EXPLOSIVE LIMIT (%)	N/A
EXTINGUISHING MEDIA	N/A
SPECIAL FIREFIGHTING PROCEDURES	Firelighters should wear NIOSH
approved positive pressure self-c	contained breathing apparatus and
full protective dothing.	
FIRE AND EXPLOSION HAZARDS	When healed to high temperatures
lead emits highly toxic fumes.	•

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY......Skin, Eyés, ingestion, inhalation INHALATION: Lead: Excessive overexposure may result in acute or chronic liness.

INGESTION: Essentially non-hazardous át from temperature (not likely to occur). SKIN: Molten core solder will cause burns.

EYES: Molten solder will cause eye burns. Dust or turne may cause irritation.

Molten solder alloys consisting of lead and tin do not produce significant quantities of turns below 900°F.

CHRONIC TOXICITY: LEAD: Exposure to high levels of airborne or ingested lead may produce symptoms of anemia, insomnia, weakness, constipation, nausea and abdominal pain. Overexposure may cause damage to blood-forming, nervous, reproductive, intestinal, and urinary systems. Prolonged overexposure may result in tidney and nervous system involvement. Women of child-bearing age should avoid exposure to lead and its inorganic compounds due to post-natal effects. Lead can cause potential injury to a developing letus and possible effects on reproduction.

"Y: Overexposure to dust or fume may cause inflation of the skin and mucous imbranes, and may result in a benign pneumoconlosis (stannosis).

5. HEALTH EFFECTS DATA (Continued)

MEDICAL CONDITIONS GENERALLY
AGGRAVATED BY EXPOSUREDiseases of the blood and blood-forming
organs, kidneys, hervous and possibly reproductive systems

FIRST AID PROCEDURES

EYES	Flush with large amount of water litting upper and
	lower lids occasionally. Obtain medical attention.
SKIN CONTACT	Wash exposed area with soap and water, Remove contaminated clothing.
	If inhaled when healed to soldering temperatures,
	remove to fresh ak. Give oxygen if breathing is difficult. Consult a physician.
INGESTION	Call physician or polson control center immediately.
FOR BURNS: Eyes: Flush	immediately with cool water, obtain medical aid.
Sidn: Cool w	rith water and obtain medical aid.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHÁ Guidelines): IARC classities lead and some lead compounds as 2B carcinogens (possibly carcinogenic to humans)
California, Prop 65; "WARNING! This product contains LEAD known to the State of California to cause birth defects and other reproductive harm."

6. REACTIVITY

STABILITY	.Stable
INCOMPATIBILITIES	.Oxidizing agents, ackls, hydrogen peroxide>52%.
HAZARDOUS DECOMPOSIT	ION PRODUCTS Lead oxide fume at high
	temperature.
HAZARDOUS POLYMERIZA	TION Will not occur
HAZAPDOUS POLYMERIZATI	ON CONDITIONS NVA

7. PRECAUTIONS FOR SAFE HANDLING AND USE

PROTECTIVE EQUIPMENT

SPILL OR LEAK PROCEDURESSolid at room temperature, it in molten state allow to cool and solidify and then scrape up.

WASTE DISPOSAL METHODSReclaim (recycle) solder alloy portion. of

8. ADDITIONAL INFORMATION

Use self contained breathing apparatus if TLV limits are exceeded. Do not smoke white using. Wash hands after use. THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S). ALONE AND ARE NOT COMBINED WITH OTHER PRODUCT(S). SUCH ARE BASED ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND ARE BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATION CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.



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