

MATERIAL SAFETY DATA SHEET

1、 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT NAME: Cored Solder Wire

PRODUCT IDENTIFIER: D01681-D01684

COMPANY:

Duratool Premier Farnell PLC
150 Armley Road
Leeds
LS12 2QQ

Tel: +44 (0) 8447 880088

2、 HAZARDS IDENTIFICATION

EYE CONTACT:

Contact with material at room temperature or fume from material at typical re-flow temperatures over 100 °C may cause eye irritation.

SKIN CONTACT:

Can cause slight irritation.

INGESTION:

Irritating to mouth, throat and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhoea.

INHALATION:

Vapours or fumes from this material at typical re-flow temperatures over 100°C may cause local irritation to the respiratory system.

3、 COMPOSITION, INFORMATION OR INGREDIENT

Components-Chemical Name	wt.%	CAS No.
Sn60/Pb40	98%	7440-31-5 / 7439-92-1
Rosin	1.76%	8050-09-7
Activator	0.06%	N.E
Other composition	0.18%	N.E

N.E= Not established

4、 FIRST AID MEASURES

EYE CONTACT:

Gently rinse the affected eyes with clean water for at least 15 minutes. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible

SKIN CONTACT:

Remove contaminated clothing. Was affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.

INGESTION:

Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel.

INHALATION:

Vapours or fumes from this material at typical re-flow temperatures over 100°C may cause local irritation to the respiratory system.

5、 FIRE FIGHTING MEASURES

EXTINGUISH MEDIA:

Use alcohol resistant foam, carbon dioxide or dry chemical extinguishing agents

FIRE-FIGHTING INSTRUCTIONS:

Shut off fuel to fire if possible to do so without hazard. Evacuate area and fight fire from a safe distance. Apply water from a safe distance to cool and protect surrounding area. Firefighters should wear proper protective equipment.

FLASH POINT: Not applicable

EXPLOSION LIMIT: Not available

6、 ACCIDENTAL RELEASE MEASURES

Shut out all sources of ignition; No flare, smoking or flames in area.

Wear proper protective equipment.

For spills, wipe and scrape away with cloth or paper, take up and store in a sealed container

7、 HANDLING AND STORAGE

HANDLING:

Do not use fire near storage area.

Wear proper protective equipment.

STORAGE :

Store in dry conditions.

Exposure to sulfur or to high humidity will tarnish solder surface.

8 、 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING MEASURES :

Use only with adequate ventilation and in closed systems.

Make available emergency shower and eye wash in the work area.

EXPOSURE GUIDELINES :

ACGIH TLV: 0.05mg/m³ (Lead) 2mg/m³ (Tin)

PROTECTIVE EQUIPMENT :

RESPIRATORY PROTECTION : Industrial canister gas masks.(Heating)

EYE PROTECTION : Safety goggles.

HAND, SKIN AND BODY PROTECTION : Rubber gloves.

Selection of specific items such as boots, apron or full-body suit will depend on operation.

9 、 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Sliver grey solid
BOILING POINT	Undetermined
VAPOR PRESSURE	<0.01mmHg(20°C)
MELTING POINT	190°C (Solder)
SPECIFIC GRAVITY	8.5 g/cm ³ (Solder, 20°C)
SOLUBILITY (IN WATER)	Almost Insoluble

10 、 STABILITY AND REACTIVITY

Thermal decomposition:

No decomposition if used according to specifications.

Materials to be avoided:

Strong acids, strong oxidizers.

Dangerous reactions:

No dangerous reactions known.

Dangerous products of decomposition:

No dangerous decomposition products known.

11 、 TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.

On the eye: Smoke during soldering can cause eye irritation.

Through inhalation: May cause respiratory irritation.

Through ingestion: May be harmful if swallowed.

Sensitization: No sensitizing effects known.

12 · ECOLOGICAL INFORMATION

General notes: Do not allow product to reach ground water, water course or sewage system.

13 · DISPOSAL CONSIDERATIONS

Recommendation:

- Dispose must be according to official regulations.
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

14 · TRANSPORT INFORMATION

UN CLASS : Not applicable

UN NUMBER : Not applicable

Follow all regulations in your country.

15 · REGULATORY INFORMATION

APAN STATUS

EXISTING CHEMICAL SUBSTANCES(MITI) : Listed.

HCS Classification

Irritating substance.
Sensitizing substance.
Target organ effects.

US STATUS

TSCA INVENTORY : All ingredients listed.

State Regulation

Rhode Island RTK hazardous substances: Tin
Florida: Tin; Sliver; M-Pyrrol; Rosin
Minnesota: Tin; Silver; M-Pyrrol; Rosin
Michigan critical material: Silver
Massachusetts RTK: Tin; Sliver; Copper; M-Pyrrol
New Jersey spill list: Tin

California Proposition 65

Chemicals known to cause cancer:
WARNING: This product may contain a chemical in trace amounts known to the State of California to cause cancer.
Cadmium:7440-43-9
Nickel:7440-02-0
Cadmium:7440-43-9

INTERNATIONAL REGULATIONS

EINECS: No available.
DSCL (EEC):
36/38-Irritationg to eyes and skin.
42/43-Msy cause sensitization by inhalation and skin contact.
International Lists:
Australia (NICNAS): All compounds
Korea (TCCL): All compounds
Philippines (RA6969): All compounds

LABELING ACCORDING TO EEC DIRECTIVES :

HAZARD SYMBOL : T-Toxic

RISK PHRASES : R 61-62-20/22-33

SAFETY ADVICES : S 53-45

Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

16 、 OTHER INFORMATION**REFERENCE:**

AIR PRODUCTS MSDS 、 INTERNATIONAL MARITIME DANGEROUS GOODS CODE

HAZARDOUS	NFPA	HMIS	LEVEL : 0~4 : From least to serious
HEALTH	1	1	NFPA : National Fire protection Association rating identifies hazards during a fire emergency.
FLAMMABILITY	1	1	
REACTIVITY	0	0	HMIS : Hazardous Materials Identification System rating applies to process as packaged.

COUNTRY OF ORIGIN: TAIWAN, R.O.C

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