

SAFETY DATA SHEET

WS150 SOLDER PASTE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: WS150 SOLDER PASTE

PART No.: 7295

SUPPLIER: BLT Circuit Services Limited
Brome Industrial Estate
Brome, Eye
Suffolk. IP23 7HN

TELEPHONE: 01379 870870

FAX: 01379 870970

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME:	EINECS	CAS No.:	CONTENT	SYMBOL	RISK:
TIN/LEAD/SILVER ALLOY POWDER			60-100 %	NC	Not classified.,
ROSIN DERIVATIVE			5-10 %	Xi	42/43

The full text for all R-phrases are shown in section 16

3. HAZARDS IDENTIFICATION:

May cause sensitisation by inhalation and skin contact. Prolonged or repeated exposure to flux fumes may cause an asthmatic reaction in sensitive individuals.

4. FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION: Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen.

INGESTION: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:
Water spray. Alcohol resistant foam. Carbon dioxide (CO2).

SPECIAL FIRE FIGHTING PROCEDURES:

Fire can be extinguished using: Carbon dioxide (CO₂). Water spray. Powder Use pressurized air mask if substance is involved in a fire.

HAZARDOUS COMBUSTION PRODUCTS:

Fire creates: Toxic gases/vapors/fumes of: Heavy metals and Aldehydes

PROTECTIVE MEASURES IN FIRE:

Wear self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:

WEAR GLOVES AND BOOTS

PRECAUTIONS TO PROTECT ENVIRONMENT:

PREVENT CONTAMINATION OF SOIL AND WATER. PREVENT FROM ENTERING INTO DRAINS

SPILL CLEANUP METHODS:

Scrape up spilled material and put in sealed container for disposal. Avoid contact with skin.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:

Provide good ventilation. Do not eat , drink or smoke during use. Wash hands after handling solder paste Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS:

Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:

TIN/LEAD/SILVER ALLOY POWDER
ROSIN DERIVATIVE

CAS No.:**STD:****LT EXP. 8 HRS:****ST EXP. 15 MIN:**

0.15 mg/m³

MEL

0.05 mg/m³

0.15 mg/m³

INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:

VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES:

Use protective gloves.

EYE PROTECTION:

Wear approved safety goggles.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENIC WORK PRACTICES:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Paste	
COLOUR:	Grey.	
ODOUR/TASTE:	Mild (or faint).	
BOILING POINT (°C, interval):	159 (solvent)	PRESSURE:
MELT./FREEZ. POINT (°C, interval):	179	
DENSITY/SPECIFIC GRAVITY (g/ml):	4-6	TEMPERATURE (°C): 20
PARTICLE SIZE (micron):	20-45	
VAPOUR PRESSURE:	Not determined	TEMPERATURE (°C):
FLASH POINT (°C):	100	METHOD: CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%):	Not determined	
FLAMMABILITY LIMIT - UPPER(%):	Not determined	

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable. SHELF LIFE 6 MONTHS WHEN STORED AT<5 DEGREES CENTIGRADE IN SEALED CONTAINERS

CONDITIONS TO AVOID:
Avoid contact with acids and oxidising substances.

HAZARDOUS DECOMP. PRODUCTS:
Fire creates: Irritating gases/vapours/fumes of: Aldehydes

11. TOXICOLOGICAL INFORMATION:**HEALTH WARNINGS:**

INHALATION. Prolonged inhalation of high concentrations may damage respiratory system.
SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.
EYE CONTACT. May cause severe irritation to eyes.
INGESTION. Lead is accumulated in the body and may cause damage to the brain and nervous system after prolonged exposure. The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

TARGET ORGANS:
Skin. Eyes. Respiratory system, lungs.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:
This product is not biodegradable

13. DISPOSAL CONSIDERATIONS:

GENERAL/CLEANING:
WASTE PRODUCT SHOULD BE DISPOSED OF VIA REGISTERED WASTE DISPOSAL COMPANY

DISPOSAL METHODS:

Dispose of in accordance with Local Authority requirements. Whenever possible unwanted solder paste should be sent for metal recovery by a licensed contractor.

14. TRANSPORT INFORMATION:**GENERAL:**

NOT CLASSIFIED IN RID/ADR OR IATA

ROAD TRANSPORT:**ADR CLASS No.:**

Not classified for transportation.

SEA TRANSPORT:**MARINE POLLUTANT:**

No.

15. REGULATORY INFORMATION:**LABEL FOR SUPPLY:****RISK PHRASES:**

R-42/43 May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES:

S-23 Do not breathe gas/fumes/vapour/spray.

S-24 Avoid contact with skin.

S-37 Wear suitable gloves.

S-38 In case of insufficient ventilation, wear suitable respiratory equipment.

S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S-60 This material and its container must be disposed of as hazardous waste.

16. OTHER INFORMATION:**REVISION DATE:**

JULY 2003

REV. No./REPL. SDS GENERATED:

1

SDS No.:

WS 150/16/1

R-PHRASES (Full Text)

R-42/43 May cause sensitisation by inhalation and skin contact.

Not classified.

THIS SDS IS PRODUCED WITH SAFECHM for WINDOWS