

SAFETY DATA SHEET

LEAD FREE SOLDER PASTE LFS-UFP-T4

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME LEAD FREE SOLDER PASTE LFS-UFP-T4
 PRODUCT NO. 7274
 SUPPLIER BLT Circuit Services Limited
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2 HAZARDS IDENTIFICATION

May cause sensitisation by inhalation and skin contact.

CLASSIFICATION R42/43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ROSIN DERIVATIVE			10-30%	R42/43.
TIN 96.5/SILVER 3.0/ COPPER 0.5 ALLOY POWDER			60-100%	-

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

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 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 CONTACT

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.

EYE CONTACT

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 pressurised air mask if product is involved in a fire.

SPECIFIC HAZARDS

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

PROTECTIVE MEASURES IN FIRE

Wear self contained breathing apparatus

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

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

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SPILL CLEAN UP 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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
ROSIN DERIVATIVE	WEL		0.05 mg/m3		0.15 mg/m3

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure level.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

OTHER PROTECTION

AVOID ALL SKIN AND RESPIRATORY CONTACT!

HYGIENE MEASURES

Wash hands after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste		
COLOUR	Grey		
ODOUR	Mild (or faint).		
BOILING POINT (°C)	270 (solvent in flux)	MELTING POINT (°C)	221
RELATIVE DENSITY	4-6 @ 20 °c	PARTICLE SIZE (Micron)	22-38
VAPOUR PRESSURE	Not determined	FLASH POINT (°C)	180 (solvent in flux) CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%)	Not determined	FLAMMABILITY LIMIT - UPPER(%)	Not determined

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions. SHELF LIFE 6 MONTHS WHEN STORED AT<5 DEGREES CENTIGRADE IN SEALED CONTAINERS

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Irritating gases/vapours/fumes of: Aldehydes

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause sensitisation by inhalation.

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INGESTION

Very toxic if swallowed.

SKIN CONTACT

May cause sensitisation by skin contact.

EYE CONTACT

Irritation of eyes and mucous membranes.

HEALTH WARNINGS

May cause liver and/or renal damage.

The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

TARGET ORGANS

Skin. Eyes. Respiratory system, lungs.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

This product is not biodegradable

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

WASTE PRODUCT SHOULD BE DISPOSED OF VIA REGISTERED WASTE DISPOSAL COMPANY

DISPOSAL METHODS

Dispose of waste and residues 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

No transport warning sign required.

ADR CLASS

Not classified for transportation.

MARINE POLLUTANT

No.

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

ROSIN DERIVATIVE

TIN 96.5/SILVER 3.0/ COPPER 0.5 ALLOY POWDER

RISK PHRASES

R42/43

May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES

S22

Do not breathe dust.

S24

Avoid contact with skin.

S37

Wear suitable gloves.

S38

In case of insufficient ventilation, wear suitable respiratory equipment.

S45

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

S60

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

16 OTHER INFORMATION

REVISION DATE

NOV 2007

REV. NO./REPL. SDS GENERATED 1

SDS NO.

LFS/UFP/T4/16/1

REVISION DATE: NOV 2007

LEAD FREE SOLDER PASTE LFS-UFP-T4

RISK PHRASES IN FULL

R42/43

May cause sensitisation by inhalation and skin contact.