

## SAFETY DATA SHEET

### LEAD FREE SOLDER PASTE LFS/WS217

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME                    LEAD FREE SOLDER PASTE LFS/WS217  
 PRODUCT NO.                    7270  
 SUPPLIER                         BLT Circuit Services Limited  
    Brome Industrial Estate  
    Brome, Eye  
    Suffolk. IP23 7HN  
    01379 870870  
    01379 870970

#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SILVER		7440-22-4	1-5%	-
TIN		7440-31-5	60-100%	

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

#### 3 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

#### 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 (CO<sub>2</sub>).

##### SPECIAL FIRE FIGHTING PROCEDURES

Fire can be extinguished using: Carbon dioxide (CO<sub>2</sub>). 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 GLOVES AND BOOTS

##### ENVIRONMENTAL PRECAUTIONS

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

##### 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.

**LEAD FREE SOLDER PASTE LFS/WS217****STORAGE PRECAUTIONS**

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

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
TIN	WEL		0.2 mg/m3		
SILVER	WEL		0.1 mg/m3		

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Paste				
COLOUR	Grey				
ODOUR	Mild (or faint).				
BOILING POINT (°C)	270 (solvent)	MELTING POINT (°C)	221		
RELATIVE DENSITY	4-6 @ 20 °c	PARTICLE SIZE (Micron)	20-45		
VAPOUR PRESSURE	Not determined	FLASH POINT (°C)	180 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.

**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**

REVISION DATE: MARCH 2006

## LEAD FREE SOLDER PASTE LFS/WS217

RISK PHRASES

NC

Not classified.

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### 16 OTHER INFORMATION

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REVISION DATE MARCH 2006

REV. NO./REPL. SDS GENERATED 1

SDS NO. LFS/WS217/1