

SAFETY DATA SHEET

NCS 900 SOLDER PASTE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME NCS 900 SOLDER PASTE
 PRODUCT NO. 7279C
 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
ROSIN DERIVATIVE			5-10%	R42/43.
TIN/LEAD/SILVER ALLOY POWDER			60-100%	

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

3 HAZARDS IDENTIFICATION

Danger of cumulative effects. Harmful by inhalation and if swallowed. May cause sensitisation by inhalation and skin contact.

CLASSIFICATION Xn;R20/22. R42/43. R33.

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 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

NCS 900 SOLDER PASTE

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 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
ROSIN DERIVATIVE	WEL		0.05 mg/m3		0.15 mg/m3
TIN/LEAD/SILVER ALLOY POWDER			LEAD 0.15		

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

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.

HYGIENE MEASURES

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. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste		
COLOUR	Grey		
ODOUR	Mild (or faint).		
BOILING POINT (°C)	270 (solvent)	MELTING POINT (°C)	179
RELATIVE DENSITY	4-6 @ 20 °c	PARTICLE SIZE (Micron)	20-45
VAPOUR PRESSURE	Not determined	FLASH POINT (°C)	124 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

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.

NCS 900 SOLDER PASTE**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/LEAD/SILVER ALLOY POWDER

RISK PHRASES

R33 Danger of cumulative effects.
 R20/22 Harmful by inhalation and if swallowed.
 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.

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988. The Control of Lead at Work Regulations 2002 Health and Safety at Work Act 1974.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION DATE

MARCH 2006

REV. NO./REPL. SDS GENERATED

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SDS NO.

NCS900/16/4

RISK PHRASES IN FULL

R20/22 Harmful by inhalation and if swallowed.
 R33 Danger of cumulative effects.
 R42/43 May cause sensitisation by inhalation and skin contact.