

- 2 Eye Contact Irritating and abrasive.

Flush immediately with plenty of water, ensure that the eyeball and the inside of the eyelids are properly bathed by gently prising open the eyelids. Also make sure that the contaminated water runs off the face away from the eyes. Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishers Suitable - dry chemical, carbon dioxide, water spray or foam.
 Unsuitable - water jet.

High temperatures may produce heavy metal dust, fumes and/or vapours. The medium will give rise to irritating fumes.

Fire fighters should wear full protective clothing and breathing apparatus operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Avoid inhaling any dust. Damp down with water sweep up and place in closed container for subsequent disposal.

7. HANDLING AND STORAGE

Avoid inhaling the fumes produced during use. Store the product in a cool dry area out of reach of children. Ensure that the general area is well ventilated. Wash the hands with soap and warm water after handling solder, particularly before eating, drinking or smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Substance	Long-term exposure limit (8 hour TWA reference period)	Short-term exposure limit (10 minute reference period)
-----------	---	---

Lead *	-	0.15 mg/m ³
--------	---	------------------------

Ref EH40 Occupational Exposure limits (published annually)
 * From Appendix 1 of the HSC Approved Code of Practice supporting
 The Control of Lead at Work Regulations.
 EH28 Control of Lead: air sampling techniques and strategies 1986
 MDHS 6 Lead atomic absorption (AA) 1987
 MDHS 7 Lead X-ray fluorescence (XRF) 1987
 MDHS 8 Lead Colorimetric (dithizone) 1987

Biological Standards - Blood lead

Employees should be under medical surveillance if the risk assessment made under the 'Control of Lead at Work Regulations' indicates they are likely to be exposed to significant concentration of lead, or if an employment medical adviser or appointed doctor certifies that an employee should be under medical surveillance.

For further information on the requirements reference should be made to the HSC Approved Code of Practice for the Control of Lead at Work.

MULTICORE SOLDERS LIMITED

KELSEY HOUSE • WOOD LANE END
HEMEL HEMPSTEAD • HERTFORDSHIRE HP2 4RQ • UK
TELEPHONE: 0442 233233 • TELEX: S2363 KELSEY G
FAX: 0442 69554



SAM-19 - HE00019

Material Safety Data Sheet

Product Information

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

Product Name Multicore TTC-1 Tip Tinner/Cleaner ;
Manufacturer Multicore Solders Ltd, Kelsey House, Wood Lane End,
Hemel Hempstead, Herts, HP2 4RQ, England.
Telephone +44 (0)1442 233233.

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS No</u>	<u>Classification</u> <u>Symbol</u>	<u>Risk</u> <u>Phrases</u>	<u>Proportion</u> <u>% w/w</u>
Lead	7439-92-1	T	61, 20/22, 33	20 - 25
Malonic acid	141-82-2	Xn	22, 36	1 - 2
Citric acid	77-92-9	Xi	36	5 - 10

3. HAZARDS IDENTIFICATION

Inhalation of the fumes produced during reflow will irritate the respiratory system.
Lead, if absorbed into the body of a pregnant woman, can cause developmental abnormalities in the nervous system of the fetus.

4. FIRST-AID MEASURES

Inhalation Irritates nose and throat.

Remove affected person to fresh air, obtain medical attention if there is any respiratory distress.

Ingestion Will irritate gastric tract.

If the casualty is unconscious but breathing, place on one side in the recovery position. If breathing has stopped apply artificial respiration or give oxygen by mask. If the patient is conscious, then encourage the patient to rinse the mouth out several times with water but do not induce vomiting, nor give anything to drink if the patient finds it difficult to swallow. Obtain urgent medical attention.

Skin contact Prolonged contact may cause irritation.

Wash with soap and water. If irritation persists seek medical attention.

Issue No: 1

No HS TTC1

P 1 of 6

Date: 27/2/95

Prepared by:

Authorised by: