

MSDS: A9355

ITEM: 5JC08 - Solder Pocket

ORDER: 0113477783

LP NUMBER: U207761046-A

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - A9355Associated Grainger Items
5JC08

CHEMTRONICS(R*)

MSDS #: 1901

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY ADDRESS:
8125 COBB CENTER DRIVE
KENNESAW, GA 30152PRODUCT INFORMATION: 800-TECH-401
CUSTOMER SERVICE: 800-645-5244
EMERGENCY: (CHEMTREC) 800-424-9300

REVISION DATE: JANUARY 22, 2007

PRODUCT IDENTIFICATION:
CIRCUITWORKS(R*) POCKET SOLDER (FORMERLY CHEMPOLOY(R*) SOLDER)

PRODUCT CODE: S100-1, S100-72 (FORMERLY: S100)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	WT. % RANGE
LEAD	7439-92-1	35.0-40.0
TIN	7440-31-5	55.0-65.0
ROSNIN	8050-09-7	1.0-5.0

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:
SILVER, METALLIC SOLID. LEAD POISONING MADE RESULT FROM LONG-TERM OVEREXPOSURE TO FUMES FROM MOLTEN METAL GIVEN OFF DURING THE SOLDERING PROCESS.

POTENTIAL HEALTH EFFECTS:

EYES:
MOLTEN SOLDER CAN CAUSE SEVERE BURNS. FUMES GIVEN OFF BY MOLTEN METAL MAY BE IRRITATING TO THE EYES.

SKIN: MOLTEN SOLDER CAN CAUSE SEVERE BURNS.

INGESTION:
LEAD POISONING MADE RESULT FROM ACUTE INGESTION OF THE FUMES GIVEN OFF BY THE MOLTEN SOLDER.INHALATION:
HARMFUL IF FUMES GIVEN OFF BY MOLTEN SOLDER ARE INHALED. LEAD POISONING MAY RESULT FROM LONG-TERM OVEREXPOSURE TO FUMES GIVEN OFF BY THE MOLTEN METAL.

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: LUNG, SKIN, EYE.

SECTION 4: FIRST AID MEASURES

EYES: TREAT FOR BURNS. SEEK IMMEDIATE MEDICAL ATTENTION.

SKIN: IF BURNED BY MOLTEN SOLDER, TREAT AS FOR ANY SEVERE BURN.

INGESTION:
FOR ACUTE INGESTION OF MOLTEN SOLDER FUMES, REMOVE VICTIM FROM AREA AND SEEK IMMEDIATE MEDICAL ATTENTION.INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: NOT APPLICABLE

LEL/UEL: NOT ESTABLISHED (% BY VOLUME IN AIR)

EXTINGUISHING MEDIA:
THE USE OF ALCOHOL FOAM, CARBON DIOXIDE, OR WATER SPRAY IS COMPATIBLE WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.FIRE FIGHTING INSTRUCTIONS:
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, OSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

SECTION 6: ACCIDENTAL RELEASE MEASURES

LARGE AND SMALL SPILLS:
WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. LET SPILLED MOLTEN SOLDER COOL TO ROOM TEMPERATURE, THEN PLACE IN A WASTE CONTAINER FOR PROPER DISPOSAL. DO NOT FLUSH TO SEWER, OR DISCARD IN GENERAL TRASH. HAVE ALL DISCARDED SOLDER RECYCLED IF POSSIBLE.

SECTION 7: HANDLING AND STORAGE

AVOID PROLONGED OR REPEATED CONTACT OF FUMES WITH EYES, SKIN, AND CLOTHING. WASH HANDS BEFORE EATING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING FUMES GIVEN OFF BY THE MOLTEN PRODUCT. KEEP OUT OF REACH OF CHILDREN.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	ACGIH STEL
LEAD	0.1 MG/M3	0.05 MG/M3	NA
TIN	2.0 MG/M3	2.0 MG/M3	NA

WORK/HYGIENIC PRACTICES:

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR TLVS DURING THE USE OF THIS PRODUCT. WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND RUBBER OR OTHER CHEMICALLY RESISTANT GLOVES WHEN HANDLING THIS MATERIAL.

NFPA AND HMIS CODES:

	NFPA	HMIS
HEALTH		1
FLAMMABILITY	0	0
REACTIVITY	1	1

PERSONAL PROTECTION

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: SILVER, METALLIC SOLID

SOLUBILITY IN WATER: NEGLIGIBLE

ODOR: NONE

SPECIFIC GRAVITY (WATER=1): 9.70

pH: NA

EVAPORATION RATE (BUTYL ACETATE=1): >7

VAPOR PRESSURE: .000016 MM HG @ 77 DEG. F

VAPOR DENSITY: NA (AIR =1)

VISCOSITY: NA

PERCENT VOLATILE: NA

MELTING POINT: 350 DEG. F

BOILING POINT: >1700 DEG. F

SECTION 10: STABILITY AND REACTIVITY

STABILITY: THIS PRODUCT IS STABLE.

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY:

DO NOT MIX WITH ACIDS, BASES OR STRONG OXIDIZING MATERIALS. MOLTEN SOLDER MAY REACT VIOLENTLY WITH WATER.

PRODUCTS OF DECOMPOSITION:

AT HIGH TEMPERATURES MOLTEN SOLDER MAY EMIT TOXIC FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION:

LEAD: HUMAN TCLO 10 (MICRO)G/M3

INGESTION:

LEAD: WOMAN TDLO 450 MG/KG/6Y

CANCER INFORMATION:

NO INGREDIENTS LISTED AS HUMAN CARCINOGENS BY NTP OR IARC

REPRODUCTIVE EFFECTS: LEAD

TERATOGENIC EFFECTS: NONE

MUTAGENIC EFFECTS: NONE

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT INFORMATION:

AVOID RUNOFF INTO STORM SEWERS AND DITCHES, WHICH LEAD TO WATERWAYS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

REPORTING:

US REGULATIONS REQUIRE REPORTING SPILLS OF THIS MATERIAL THAT COULD REACH ANY SURFACE WATERS. THE TOLL-FREE NUMBER FOR THE US COAST GUARD NATIONAL RESPONSE CENTER IS: 1-800-424-8802

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME

AIR:	SOLDER	NOT REGULATED
GROUND:	SOLDER	NOT REGULATED

SECTION 15: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

CHEMICAL NAME	CAS#	WT. % RANGE
LEAD	7439-92-1	35.0-40.0

THIS INFORMATION SHOULD BE INCLUDED ON ALL MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS LEAD, A SUBSTANCE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND REPRODUCTIVE HARM.

TOXIC SUBSTANCES CONTROL ACT (TSCA).

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

WHMIS: CLASS D2B

THIS PRODUCT HAS BEEN CLASSIFIED ACCORDING TO THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

NORMAL VENTILATION FOR STANDARD MANUFACTURING PRACTICES IS USUALLY ADEQUATE. LOCAL EXHAUST SHOULD BE USED WHEN LARGE AMOUNTS OF FUMES ARE RELEASED. LEAD IS SPECIFICALLY REGULATED BY OSHA AS A HAZARDOUS SUBSTANCE. LEAD IS TOXIC AND OVEREXPOSURE TO MOLTEN SOLDER FUMES CAN RESULT IN LEAD POISONING. PRODUCT CONTENTS ARE NOT LISTED AS CARCINOGENIC BY NTP OR IARC.

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. IN PARTICULAR, IMPROPER USE OF OUR PRODUCTS AND THEIR INAPPROPRIATE COMBINATION WITH OTHER PRODUCTS AND SUBSTANCES MAY PRODUCE HARMFUL RESULTS WHICH CANNOT BE ANTICIPATED. FINAL DETERMINATION OF THE SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT MAY EXIST.