

MATERIAL SAFETY DATA SHEET

SILVER KING MFG. CO.
620 NESHAMINY AVENUE
WARRINGTON, PA 18976

SH#

MFG#

215-343-5337

E1-115

Boiler Solder

SECTION I - GENERAL INFORMATION

PRODUCT NAME BOILER SOLDER

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	CAS NUMBER	PERCENTAGE BY WEIGHT FOR PRODUCTS IN THIS CATEGORY	EXPOSURE LIMITS
LINSEED MEAL		90%	N/A
DE-DUSTED ALUMINUM FLAKE	7429-90-5	5%	15mg/M ³ -OSHA PEL 10mg/M ³ -ACGIH-TLV-TWA
SODIUM SILICATE	1344-09-8	5%	NOT ESTABLISHED RECOMMENDED LIMIT 2mg/M ³

SECTION III - PHYSICAL PROPERTIES

BOILING POINT (F°) N/A SPECIFIC GRAVITY : H₂O=1 0.71

VAPOR DENSITY (MM Hg) N/A MELTING POINT: N/A

VAPOR PRESSURE (AIR= N/A EVAPORATION RATE: N/A

SOLUBILITY IN WATER: SLIGHTLY

APPEARANCE AND ODOR: SILVERY POWDER/NO ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT N/A

FLAMMABLE LIMITS : LEL: N/A UEL: N/A

FIRE EXTINGUISHING MEDIA:

CLASS D EXTINGUISHING AGENT OR DRY SAND, TALC, SODIUM CHLORIDE, WATER MAY BE USED
BUT BE SURE TO FLOOD BURNING PRODUCT WITH IT.

DO NOT USE HALOGEN EXTINGUISHING AGENTS LIKE HALON OR CARBON TETRACHLORIDE. MINIMIZE
BREATHING GASES, VAPORS, FUMES OR DECOMPOSITION PRODUCTS DURING A FIRE. FIRE FIGHTERS
SHOULD USE SELF CONTAINED BREATHING APPARATUS.

 SECTION V - REACTIVITY DATA

STABILITY : STABLE

HAZARDOUS INSTABILITY: NONE

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

CONDITIONS TO AVOID : SMOKING, OPEN FLAME

MATERIALS TO AVOID:

SOME ACIDS, SOME CAUSTICS, HALOGENATED HYDROCARBONS AND OXIDIZERS
 ALUMINUM FLAKE CAN REACT WITH SOME ACID AND CAUSTIC SOLUTIONS TO FORM
 HYDROGEN GAS AND HEAT.

WATER -ALUMINUM FLAKE WILL REACT WITH WATER TO SLOWLY GENERATE
 HYDROGEN GAS AND HEAT.

 SECTION VI - PERSONAL PROTECTION

VENTILATION: USE GENERAL DILUTION TYPE, ADEQUATE TO KEEP DUST CONCENTRATIONS
 BELOW THE TLV'S LISTED IN SECTION II.

RESPIRATOR PROTECTION: IF DUST CONCENTRATIONS ARE AT OR ABOVE THE ALLOWABLE
 EXPOSURE LIMIT, WEAR A NIOSH APPROVED DUST RESPIRATOR.

EYE PROTECTION: USE EYE PROTECTION APPROPRIATE FOR SPLASH HAZARD.

PROTECTIVE GLOVES: USE CHEMICAL RESISTANT GLOVES

 SECTION VII - SPECIAL PRECAUTIONS

HANDLING PRECAUTIONS:

AVOID SPILLAGE. ALL EQUIPMENT SHOULD BE ELECTRICALLY GROUNDED. AVOID BREATHING
 DUST, AVOID EYE CONTACT, AVOID PROLONGED SKIN CONTACT: WASH WITH SOAP AND WATER
 BEFORE EATING, DRINKING, SMOKING OR USING TOILET. LAUNDRY CONTAMINATED CLOTHING
 BEFORE RE-USE.

STORAGE PRECAUTIONS:

AVOID STORAGE NEAR OXIDIZERS. DO NOT STORE IN AREAS OF EXCESS WATER VAPORS,
 CONTAMINATING VAPORS OR GASES. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

 SECTION VIII - HEALTH HAZARD INFORMATION

TOXICITY DATA:

LINSEED MEAL 90% - NONE NO-TOXIC EFFECTS KNOWN

DE DUSTED ALUMINUM FLAKE 5% - NONE- NO TOXIC EFFECTS KNOWN

SODIUM SILICATE 5% - CORROSIVE- MAY CAUSE BURNS OR IRRITATION TO SKIN, EYES OR
 LUNGS. MAY BE HARMFUL IF SWALLOWED IN LARGE QUANTITIES.

EYE CONTACT: MAY IRRITATE SENSITIVE INDIVIDUALS

SKIN CONTACT: MAY IRRITATE SENSITIVE INDIVIDUALS

INHALATION: DUST MAY IRRITATE RESPIRATORY TRACT IN SENSITIVE INDIVIDUALS

INGESTION: CORROSIVE: DO NOT INGEST, MAY BE HARMFUL IN LARGE QUANTITIES.

EMERGENCY AND FIRST AID PROCEDURES:

- EYE CONTACT: FLUSH WITH PLENTY OF LOW PRESSURE WATER FOR 15 MINUTES OCCASIONALLY LIFTING EYELIDS. IF IRRITATION PERSISTS, CALL A PHYSICIAN.
- SKIN CONTACT: WASH WITH MILD SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE RE-USE.
- INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY.
- INGESTION: DO NOT INDUCE VOMITING. GIVE PLENTY OF WATER. CALL A PHYSICIAN.

SECTION IX - SPILL, LEAK AND DISPOSAL PROCEDURES.

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

AVOID EXPOSURE TO DUST. WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT. REMOVE SPARKS, FLAME AND OTHER SOURCES OF IGNITION FROM AREA. SWEEP UP MATERIAL AND PLACE IN A DRY CONTAINER. SEAL CONTAINER

DISPOSAL: DISPOSE OF BY A PERMITTED WASTE TRANSPORTATION AND DISPOSAL COMPANY IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS.

THE INFORMATION PROVIDED IS BASED UPON DATA FURNISHED BY OUR SUPPLIERS AND DATA DETERMINED BY US IN OUR FACILITIES AT THE TIME THIS PRODUCT WAS FORMULATED. WHILE BELIEVED TO BE RELIABLE, THE INFORMATION AND PRODUCTS ARE INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. USERS SHOULD MAKE THEIR OWN INVESTIGATION TO DETERMINE SUITABILITY OF THE INFORMATION OR PRODUCTS FOR THEIR PARTICULAR PURPOSES.

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