



95/5 Solder-N-Flux

Material Safety Data Sheet

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Manufacturing Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheet.

SECTION I - GENERAL INFORMATION																				
Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone No: 1-773-227-3700 Fax No: 1-773-227-3705		For chemical emergencies during transportation only call INFOTRAC 1-800-535-5053 24 hours per day - 7 days a week																		
Date Prepared 01/01/08		Trade Name 95/5 Solder-N-Flux																		
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION																				
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL																
ANTIMONY	7440-36-0	1-5	0.5 mg/M3																	
TIN	7440-31-5	60-85	2.0 mg/M3																	
ZINC CHLORIDE	7646-85-7	3-5	1.0 mg/M3																	
AMMONIUM CHLORIDE	12125-02-9	3-5	10.0 mg/M3																	
*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.																				
SHIPPING INFORMATION		SPECIAL HAZARD DESIGNATIONS																		
NOT HAZARDOUS FOR SHIPPING PURPOSES.		<table border="0"> <thead> <tr> <th></th> <th><u>HMS</u></th> <th><u>HAZARD RATING</u></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>HEALTH</td> <td>2</td> <td>0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> <td></td> <td>1- SLIGHT</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> <td></td> <td>2- MODERATE</td> </tr> </tbody> </table>				<u>HMS</u>	<u>HAZARD RATING</u>			HEALTH	2	0 - MINIMAL	FLAMMABILITY	0		1- SLIGHT	REACTIVITY	0		2- MODERATE
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	HEALTH	2	0 - MINIMAL																	
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REACTIVITY	0		2- MODERATE																	

PROTECTIVE
EQUIPMENT

B

3- SERIOUS
4- SEVERE

SECTION III - PHYSICAL DATA

APPEARANCE

GRAY, SILVERY PASTE

ODOR

NONE

BOILING POINT

2260° C ANTIMONY,
1635° C

SPECIFIC GRAVITY (H2O=1)

4.03

**VAPOR PRESSURE (mm
Hg.)**

N/A

VOLATILE BY VOLUME (%)

N/A

VAPOR DENSITY (AIR=1)

N/A

**EVAPORATION RATE
(BUAC=1)**

N/A

SOLUBILITY IN WATER

SLIGHTLY MISCIBLE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)

N/A

FLAMMABLE LIMITS

(PERCENT BY VOLUME)

LEL

N/A

UEL

N/A

FIRE EXTINGUISHING MEDIA

CARBON DIOXIDE, DRY CHEMICAL OR FOG (WATER).

SPECIAL FIRE FIGHTING PROCEDURES

NONE.

UNUSUAL FIRE AND EXPLOSION HAZARD

WITH EXCESSIVE HEATING, MATERIAL COULD EMIT TOXIC FUMES.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OR ENTRY _____ Inhalation Skin contact _____ Eye contact Ingestion

EFFECT OF OVEREXPOSURE

INGESTION: SEVERE DAMAGE TO INTERNAL ORGANS (ESOPHAGUS & PHYLORUS) WILL OCCUR IF SWALLOWED IN LARGE QUANTITIES. ANTIMONY IS STRONGLY IRRITATING TO MUCOUS MEMBRANES AND TO TISSUE.

INHALATION: DUST FROM DRIED DOWN PRODUCT CAN CAUSE INJURY TO RESPIRATORY TRACT. SEVERE EXPOSURE CAN CAUSE LUNG DAMAGE.

SKIN: PROLONGED CONTACT CAUSES BURNS, SKIN IRRITATION AND DISCOMFORT

WITH RASH.

EYES: WILL CAUSE EYE IRRITATION WITH DISCOMFORT, TEARING OR BLURRING OF VISION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

ADVANCED STAGES OF ANTIMONY POISONING MAY CAUSE FATTY DEGENERATION OF THE LIVER AND OTHER ORGANS. THE GASTROINTESTINAL TRACT SHOWS MARKED CONGESTION AND EDEMA.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, DILUTE BY GIVING LARGE QUANTITIES OF WATER OR MILK. CALL A PHYSICIAN IMMEDIATELY.

INHALATION: IF EXCESS DUST FROM DRIED PRODUCT IS INHALED REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

SKIN: WASH AFFECTED SKIN AREA WITH SOAPY WATER. REMOVE CONTAMINATED CLOTHING. IF BURNOR RASH APPEARS CONSULT A PHYSICIAN.

EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CONSULT A PHYSICIAN.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	AVOID CONTACT WITH CONCENTRATED ALKALIES.

INCOMPATIBILITY (MATERIALS TO AVOID)

ZINC CHLORIDE IS INCOMPATIBLE WITH CYANIDES & SULFIDE SALTS.

HAZARDOUS DECOMPOSITION PRODUCTS

WILL NOT OCCUR EXCEPT AT HIGH TEMPERATURES.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	HIGH TEMPERATURES.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

FLUSH WITH LARGE QUANTITIES OF WATER AND PICK UP WITH ABSORBING MATERIALS.

WASTE DISPOSAL METHOD

LANDFILL TO DISPOSE OF LARGE QUANTITIES. COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION (Specify type)**

NOT REQUIRED FOR NORMAL USE.

VENTILATION

NONE

PROTECTIVE GLOVES

RUBBER GLOVES

EYE PROTECTION

SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

GLOVES WHILE HANDLING THE MATERIAL. WASH THOROUGHLY AFTER HANDLING.

SECTION IX - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

IF HANDLING IN LARGE QUANTITIES, RUBBER GLOVES AND FACE SHIELD RECOMMENDED.

OTHER PRECAUTIONS

NONE.

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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