BLACK SWAN MFG. CO.

GHS SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Manufacturer: Black Swan Mfg. Co. 4540 W. Thomas St. Chicago, IL 60651-3318 Tel.: 800-252-5796 Fax: 773-227-3705 Web Site : www.blackswanmfg.com E-mail : info@blackswanmfg.com	For any Transportation or Medical Chemical Emergencies call: **INFOTRAC** (800) 535-5053 **OR** (352) 323-3500 24 hours per day - 7 days a week
Product Name: 95/5 Solder	**Recommended Use:** General purpose solder for sheet metal, radiator repair and galvanized gutters.

SECTION 2 – HAZARD(S) IDENTIFICATION

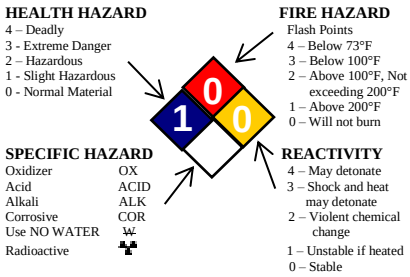
Labels
None

Signal Word
None

HMIS

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

NFPA



GHS Classification

Health
Acute Toxicity:Not Established
Skin Irritation: Not Established
Eye Irritation: Not Established
Skin Sensitization: NO

Environmental
Acute Aquatic Toxicity: Not Established
Chronic Aquatic Toxicity: Not Established

Physical
None

Hazardous Statements
None

Precautionary Statements
P102: Keep out of reach of children
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P264: Wash thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemicals	CAS#	EINECS#	REACH Pre-registration Number	Approx %
TIN	7440-31-5	N/A	N/A	90-98%
ANTIMONY	7440-36-0	N/A	N/A	2-10%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move into fresh air. If irritation persists, get medical attention.
Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing.
Eyes: Flush with water for 15 minutes. If irritation persists, get medical attention.
Ingestion: Rinse mouth. Get medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Solid massive form of material is not combustible under ordinary fire conditions. Fire and explosion hazards are moderate when material is in the form of dust and exposed to heat or flames. Hazards exist also with chemical reactions, or contact with powerful oxidizers.
Combustion Products: None known.
Extinguishing Media: Dry Chemical powder, Dry Sand, Water Fog, Carbon Dioxide.
Unsuitable Extinguishing Media: Water, Moist Sand.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Special Fire Fighting Procedures: Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent contact with skin or eyes. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high.
Protective Equipment: Respirators and protective clothing.
Emergency Procedures: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Allow to solidify and collect in sealed containers for disposal. Return to supplier for reprocessing.

SECTION 7 – HANDLING AND STORAGE

Handling	Storage
No food or drink should be allowed in areas where these products are handled. Personnel must wash thoroughly after handling the metal before drinking, eating or smoking.	Store in dry conditions. Store away from incompatible materials. **Incompatible Materials**: Strong acids, oxidizers, reducing agents, halogens.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

	Exposure Limits		
Hazardous Chemicals	**ACGIH-TLV**	**ACGIH-STEL**	**OSHA-PEL**
Tin	2 mg/m^3	2 mg/m^3	2 mg/m^3
Antimony	N/A	N/A	0.05mg/m^3

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact.
Ventilation: If fume or dust is being generated, mechanical ventilation must be provided to maintain exposure level below TLV's.
Personal Protective Equipment – Respiratory: Only required if TLV's are exceeded. Use a NIOSH/MSHA approved respirator for toxic dust and/or fume.
Personal Protective Equipment – Skin: Not normally needed but wash hands thoroughly.
Personal Protective Equipment – Eyes: Wear safety glasses as required.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Gray metal	**Flash Point**:	Not Established	**Vapor Pressure**:	Not Established
Odor:	Odorless	**Specific Gravity**:	Not Established	**Flammability**:	Not Established
pH:	Not Established	**Solubility (H2O):**	Not Established	**Flammability Limits**:	LEL – Not Established
Melting Point:	232°F	**Evaporation Rate**:	Not Established		UEL – Not Established
Freezing Point:	Not Established	**Vapor Density**:	11.36		
Boiling Point:	Not Established	**VOC**:	0 g/l		

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: Molten material may react violently with water.
Incompatible materials: Strong acids, oxidizers, reducing agents, halogens.
Hazardous decomposition products: Dust presents moderate fire and explosion hazard.

SECTION 11 – TOXICOLOGICAL INFORMATION

	Toxicity	
Hazardous Chemicals	**LD_{50}**	**LC_{50}**
Tin	N/A	N/A
Antimony	N/A	N/A

Likely Routes of Exposure: Eye Contact and Ingestion.
Symptoms and Effect - Inhalation: Inhalation of dusts and fumes must be avoided. Irritation of nose and bronchial tracts may occur as well as effects due to absorption of lead, ect. in blood stream. **Skin Contact:** Not a route of entry. **Eye Contact:** Dust or fume will be irritant. **Ingestion:** Ingestion of dust or fumes may be avoided. Lead is toxic and cumulative, affecting the kidneys, reproductive system and nervous system. Symptoms of chronic overexposure include anemia, insomnia, weakness, irritability, constipation and stomach pains. Tin is not regarded as toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea. This product when used for welding and similar applications produces chemicals known to cause cancer and birth defects (or other reproductive harm).
Long-Term Effect: None known.
Pre-Existing Conditions: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.
Persistance & Degradability: Biodegradable.
Bioaccumulative Potential: None known.
Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of 0 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.
Risk Phrases: None.
Safety Phrases: S2-Keep out of reach of children.

SECTION 16 – OTHER INFORMATION

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 Mfg. 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 sheets. **DATE: 01/01/2021**