

MATERIAL SAFETY DATA SHEET

-2-

SECTION 1

Product Name:

HERCULES SWIF 95

DATE PREPARED 02/01/90 DATE ISSUED 10/24/01

ISSUED TO:

REEVES-WIEDEMAN
1053 S E BROADWAY

LEES SUMMIT MO 64081



HERCULES®

**MATERIAL
SAFETY
INFORMATION
SERVICE**

Hercules Chemical Company, Inc.

111 South Street • Passaic, NJ 07055-7398
Information Phone: 800-221-9330

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%(OPTIONAL)
Antimony (CAS 7440-36-0)	0.5mg/M3	0.5mg/M3		5%*
Tin (CAS 7440-31-5)	2.0mg/M3	2.0mg/M3		
Zinc Chloride (CAS 7646-85-7)	1.0mg/M3	1.0mg/M39 (fumes)		8%*
Ammonium Chloride (CAS 12125-02-9)		10.0 mg/M3(fumes)		

*SARA 313 Reportable - Upper Bound Limits Stated

HMIS Hazard Rating: 2 0 1 C

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	SPECIFIC GRAVITY (H ₂ O = 1)	VAPOR DENSITY (AIR = 1)
Tin 2260 deg C Antimony 1635 deg C	4.03	N/A
VAPOR PRESSURE (mm Hg.)	MELTING POINT	EVAPORATION RATE (Butyl Acetate = 1)
N/A	464 deg F	N/A

SOLUBILITY IN WATER Slightly miscible with water.

APPEARANCE AND COLOR Gray, silvery paste. Odor - none.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	FLAMMABLE LIMITS	LEL	UEL
N/A	N/A	N/A	N/A

EXTINGUISHING

MEDIA Carbon dioxide, dry chemical or fog (water).

SPECIAL

FIRE None.

FIGHTING

PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS

With excessive heating material could emit toxic fumes.

SECTION 5 - REACTIVITY DATA

STABILITY	CONDITIONS TO AVOID
STABLE	Avoid contact with concentrated alkalis.

INCOMPATIBILITY

(MATERIALS TO AVOID) Zinc chloride is incompatible with cyanides (may release toxic HCN gas) & sulfide salts (may release toxic H₂S gas).

HAZARDOUS DECOMPOSITION

OR BYPRODUCTS Will not occur except at high temperatures.

HAZARDOUS

POLYMERIZATION Will not occur except at high temperatures.

SECTION 6 - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY	INHALATION?	SKIN?	INGESTION?
	yes/secondary	yes/primary	yes/primary

HEALTH HAZARDS (ACUTE AND CHRONIC)

Chronic antimony poisoning causes skin pustules, bleeding gums, conjunctivitis, laryngitis, (CONTINUED IN SECTION "A" AT BOTTOM OF PG 2)

CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED?
	NO	NO	NO

SIGNS AND SYMPTOMS OF EXPOSURE

INGESTION: Severe damage to Internal Organs (Esophagus & Pylorus) will occur if swallowed in large quantities. Antimony is strongly irritating to mucous membranes and to tissue. INHALATION: Dust from dried down product can (CONTINUED IN SECTION "B" AT BOTTOM OF PAGE)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Advanced stages of antimony poisoning may cause fatty degeneration of the liver and (CONTINUED IN SECTION "C" AT BOTTOM OF PAGE)

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 (CONTINUED IN SECTION "D" AT BOTTOM OF PAGE)

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush with large quantities of water & pick up with absorbing materials.

WASTE DISPOSAL METHOD

Landfill, to dispose of large quantities, comply with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

If handling in large quantities, rubber gloves and face shield recommended.

OTHER PRECAUTIONS

NONE

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE)

In confined spaces, or other circumstances where adequate ventilation cannot be assured, use NIOSH-approved respirator, positive-pressure airline mask, or self-contained breathing apparatus.

VENTILATION	LOCAL EXHAUST	N/A	SPECIAL	N/A
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MECHANICAL (GENERAL)

Exhaust fan.

OTHER N/A

PROTECTIVE GLOVES

Rubber gloves.

EYE PROTECTION

Safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Gloves while handling the material

WORK/HYGIENIC PRACTICES

Wash thoroughly after handling.

-- SECTION "A"-- headache, weight loss, and anemia. Acute poisoning can cause nausea, vomiting and severe diarrhea with mucous, and blood, hemorrhagic nephritis & hepatitis may also occur.
 -- SECTION "B"-- cause injury to Respiratory Tract. Severe exposure can cause lung damage. SKIN CONTACT: Prolonged contact causes burns, skin irritation with discomfort with rash. EYE CONTACT: Will cause eye irritation with discomfort, tearing or blurring of vision.
 -- SECTION "C"-- other organs. The gastrointestinal tract shows marked congestion and edema.
 -- SECTION "D"-- not breathing, give artificial respiration preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.
 SKIN CONTACT: Wash affected skin area with soapy water. Remove contaminated clothing. If burn or rash appears consult a physician.
 EYE CONTACT: Immediately flush eyes with plenty of water for 15 minutes. Consult a physician.