

G. C. FULLER MFG. CO., INC. **G03-001**
 5285 CROOKSHANK ROAD
 CINCINNATI, OHIO 45238 No. LS3-005-4
 May 1969

Form Approved
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U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION
 Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION I	
MANUFACTURER'S NAME Ronson Metals Corporation	EMERGENCY TELEPHONE NO. (201) 589-1380
ADDRESS (Number, Street, City, State, and ZIP Code) 55 Manufacturers Place, Newark, NJ 07105	
CHEMICAL NAME AND SYNONYMS Mischmetal/Iron Alloy	TRADE NAME AND SYNONYMS Flint
CHEMICAL FAMILY Lanthanides	FORMULA

SECTION II - HAZARDOUS INGREDIENTS						
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)	
PIGMENTS			BASE METAL Mischmetal & Iron			
CATALYST			ALLOYS Cerium/Iron; Lanthanum/Iron; Praseodymium/Iron			
VEHICLE			METALLIC COATINGS N/A			
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX N/A			
ADDITIVES			OTHERS			
OTHERS			Note: Designated as a flammable solid.			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					%	TLV (Units)

SECTION III - PHYSICAL DATA				
BOILING POINT (°F.)	approx.	6800°F	SPECIFIC GRAVITY (H ₂ O=1)	8.3
VAPOR PRESSURE (mm Hg.)		N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)		N/A	EVAPORATION RATE (=1)	N/A
SOLUBILITY IN WATER	reacts slowly	Melting Point	approx.	1700°F
APPEARANCE AND ODOR	Metallic; dark gray to black; odorless			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	LeI Uel
EXTINGUISHING MEDIUM	Dry Na Cl, dry sand		
SPECIAL FIRE FIGHTING PROCEDURES	Cover with dry alkali, halide or dry sand		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Fine powders are pyrophoric and may ignite by friction. Flints may ignite at temperatures above 500°F.		

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Not known; very low for ingestion
EFFECTS OF OVEREXPOSURE	Low to moderate toxicity for ingestion. Symptoms of toxicity include labored respiration, walking on the toes with arched back and sedation.
EMERGENCY AND FIRST AID PROCEDURES	Removal from area. Examination by physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE		Material will dissolve readily in acid. Material reacts very slowly in water.
INCOMPATIBILITY (Materials to avoid) N/A			
HAZARDOUS DECOMPOSITION PRODUCTS N/A			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Material can be swept up for disposal.
WASTE DISPOSAL METHOD
Material can be disposed of by burning.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) N/A		
VENTILATION	LOCAL EXHAUST N/A	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	not necessary	EYE PROTECTION to prevent particles from being thrown into the eyes.
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Small pieces or powder should be stored under kerosene or oil. Keep away from flame or water. Store in metal containers.
OTHER PRECAUTIONS	Keep away from excessive moisture which will cause deterioration and can liberate flammable gas very slowly.