Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements.

MERCURY

QUICK IDENTIFIER
Common Name: (used on label and list)

SECTION 1 -

Manufacturer's Name	**DFG Mercury Corporation** a subsidiary of **D.F. Goldsmith** Chemical & Metal Corp.		
Address	909 Pitner Avenue	Emergency Telephone No.	800-424-9300
City, State, and ZIP	Evanston, IL 60202	Other Information Calls	847-869-7800
Signature of Person Responsible for Preparation (Optional)		Date Prepared	4/10/97

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Components(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
MERCURY (METALLIC MERCURY) (QUICKSILVER)	0.05 MG(HG)/M³	0.05 MG(HG)/M³ TWA		100	7439-97-6

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	675 F (357 C)	Specific Gravity ($H_20=1$)	13.6	Vapor Pressure (mm Hg)	0.0012 MMGH @ 20C
	Vapor Density (Air=1) 7.0				
Solubility in Water	Insoluble	Reactivity in Water	N.A.		
Appearance and Odor	Silver-White, Heavy Mobile, Liquid Metal	Melting Point	-38 F (-39 C)		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	N/A F. C.	Method Used		Flammable Limits in Air % by Volume	LEL Lower	N/A	UEL Upper
Auto-Ignition Temperature	N/A	Extinguisher Media	Dry Chemical, Carbon Dioxide, Water Spray or Foam (1984 Emergency Response Guidebook, DOT P 5800.3)				

Special Fire Fighting Procedures: For larger fires, use water spray, fog or alcohol foam (1984 Emergency Response Guidebook, DOT P 5800.3) Firefighting: Move containers from area if possible.

Cool containers exposed to flames with water from side until well after fire is out (1984 Emergency Response Guidebook, DOT P 5800.3) Use agents suitable for type of fire;

Unusual Fire and Explosion Hazards: Use water in flooding amounts as a fog. Avoid breathing corrosive and poisonous vapors. Keep upwind.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable / Stable	Conditions to Avoid	Does not ignite readily. Flammable, poisonous gases may accumulate in tanks & hopper cars. May ignite combustibles (wood, paper, oil)

Incompatability (Materials to Avoid): Violent Reaction: Acetylinic Compounds; Ammonia; Boron; Diiodophosphide; Ethylene Oxide; Metals (Aluminum; Potassium; Lithium; Sodium; Rubidium);

Methyl Azide; Methylsilane; Oxygen; Oxidants (Bromine; Peroxyformic Acid; Chlorine Dioxide; Nitric Acid; Tetracarbonylnickel; Nitromethane; Silver Perchlorate

Hazardous Decomposition Products: Thermal decomposition products include toxic mercury vapors & oxygen.

Hazardous Polymerization	May Occur / Will Not Occur	Conditions to Avoid	None Known