

QUICKSILVER

Curtin Matheson Scientific, Inc. 822 SOUTH 333RD STREET

FEDERAL WAY, WA 98003-6343 FISONS

MAIL TO: BIDDLE & CROWTHER

ABCO DEALERS INC 910 N 137TH

SEATTLE, WA 98133

## MATERIAL SAFETY DATA SHEET QU

SECTION 1 - NAME AND PRODUCT CHEMICAL NUMBER: MANUFACTURER NAME AND ADDRESS ITEM NUMBER: 0263618 VNDR CATLG NBR: 50FW-3
ENTRY DATE: 10-30-91
CHANGE DATE: 10-30-91
PO NUMBER: 103586 BIMETALLIC THERMO 401 PARK AVE SOUTH NEW YORK PHONE NY 10016 COMMON NAME (ON LABEL) CHEMICAL FAMILY MERCURY (VARIOUS GRADES) NOT GIVEN TRADE NAME & SYNONYMS CHEMICAL FORMULA MERCURY (VARIOUS GRADES) HG METALLIC MERCURY

			T T	
HAZARDOUS COMPONENT	CAS	% (WT)	TLV	PEL
CURY (VARIOUS GRADES)	7439-97-6	.00	.050 MG/M3	.050 MG/M
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PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

OTHER INGREDIENT INFORMATION
MERCURY (VARIOUS GRADES); METALLIC MERCURY; QUICKSILVER; LIQUID SILVER;
HYDRARGYRUM

SI	ECTION 3 - F	PHYSICAL DATA	
BOILING POINT		VOLATILE BY VOLUME (%)	VAPOR PRESSURE
357 DEG. C		NOT GIVEN	200/.0012-1000/.273
MELTING POINT		VAPOR DENSITY	SOLUBILITY IN WATER
-38.87 DEG. C		1.015	0.002GMS/100GMS @20C
EVAPORATION RATE ( BUAC	= 1)	SPECIFIC GRAVITY	
N/A=SEE PHYSICAL DATA		13.5	
4005404NG5 4ND 0000			

APPEARANCE AND ODOR SILVERY LIQUID

MOBILE AND ODORLESS

OTHER PHYSICAL DATA
EVAPORATION RATE: DEPENDS ON TEMPERATURE AND PRESSURE. FLAMMABLE LIMITS:
N/A

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SECTION 4 - FIRE A	IND EXPLOSION DATA
FLASH POINT	
N/A LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
N/A	N/A
EXTINGUISHING MEDIA USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.	
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UNUSUAL FIRE AND EXPLOSION HAZARDS MERCURY IS NOT FLAMMABLE OR EXPLOSIVE.	
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SPECIAL FIRE FIGHTING PROCEDURES AT HIGH TEMPERATURE MERCURY VAPORIZES RAPIDLY TO FORM H	NIGHLY TOXIC FILMES THAT ARE
ODORLESS AND COLORLESS. FIREFIGHTERS SHOULD WEAR PROPER BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSI	PROTECTIVE EQUIPMENT AND SELF CONTAINED
IS INVOLVED IN A FIRE.	TIVE FRESSURE MIDDE WHEN IMENDIONY
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SECTION 5 - HEA	LTH HAZARD DATA
HEALTH HAZARDS (ACUTE & CHRONIC) ACUTE: INHALATION OF HIGH LEVELS OF MERCURY VAPOR CAN LE	AD TO SEVERE RECOURATION
IRRITATION, CHEST PAINS AND BREATHING DIFFICULTIES WHICH I	MAY BE FATAL IF THE RESPIRATORY
IRRITATIONS IS SEVERE. DAMAGE TO THE CENTRAL NERVOUS SYS OCCUR. CHRONIC: EXPOSURE TO LOW LEVELS OF MERCURY VAPOR	MAY RESULT IN GUM
AND MOUTH INFLAMATION, IRRITABILITY, TREMORS AND STOMAT OVEREXPOSURE CAN RESULT IN DAMAGE TO THE KIDNEYS, LIVER	
PRIMARY ROUTES OF EXPOSURE INHALATION, INGESTION, SKIN.	
INHALATION, INGESTION, SKIN.	
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STONE AND SYMPTOMS OF EXPOSURE	
SIGNS AND SYMPTOMS OF EXPOSURE NERVOUS IRRITABILITY, WEAKNESS, TREMERS, GINGIVITIS, EXCESS LOOSENING OF TEETH, DEPRESSION, PERSONALITY CHANGES, NERV	
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SECTION 5 - HEALTH HAZ	AID VAIVA (CEA	, aroco.	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	# D. AVIOLD EXPOSURE		
PEOPLE WITH LIVER, KIDNEY, AND NERVOUS SYSTEM DISORDERS SHOU	JLD AVOID EXPOSURE.		İ
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	<del></del>		<del></del>
CARCINOGENICITY	NTP Yes No	IARC Yes No	OSHA Tyes No
HAS NOT BEEN SHOWN TO CAUSE CANCER.			
EMERGENCY AND FIRST AID PROCEDURES			
EYES: OCCASIONAL ACCIDENTAL CONTACT WITH EYES IS USUALLY H			
IMMEDIATELY. HOLD UPPER AND LOWER EYELIDS OPEN, WASH EYE TH MINUTES. CONSULT A PHYSICIAN. SKIN: WASH EXPOSED AREA THORE			
INHALATION: REMOVE PERSON FROM SOURCE OF EXPOSURE TO FRESH		10 11 10 11	
NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DI	FFICULT, GIVE DXYGEN	•	1
CONSULT A PHYSICIAN. INGESTION: ACCIDENTAL SWALLOWING OR INGESTION OF MERCURY IS USUALLY HARMLESS. DO NOT INDUCE VO	MITING, CONSULT A PI	HYSICIAN.	
THRESHOLD LIMITS / TOXICITY DATA OSHA PEL: 0.05 MG/M3. ACGIH TLV: 0.05	<u> </u>		
OSHA PEL: 0.05 MG/M3. ACGIH TLV: 0.05 MG/M3.			
SECTION 6 - REA	ACTIVITY DATA		
STABILITY Unstable Stable			
CONDITIONS TO AVOID HEAT AND HIGH TEMPERATURES.			
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INCOMPATIBILITY (MATERIALS TO AVOID) HALOGENS, NITRIC ACID, AMMONIA GAS, ACETYLENE AND ACETYLEN	E PRODUCTS.		•
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SECTION 6 - REACTIVITY DATA (CONTINUED)
HAZARDOUS DECOMPOSITION OR BYPRODUCTS MERCURY VAPORS.
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HAZARDOUS POLYMERIZATION May Occur Will Not Occur D
CONDITIONS TO AVOID
SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED USE APPROPRIATE RESPIRATORY PROTECTION AND PROPER PROTECTIVE CLOTHING. CLEAN UP
USE APPROPRIATE RESPIRATORY PROTECTION AND PROPER PROTECTIVE CLOTHING. CLEAN UP SPILL IMMEDIATELY WITH A MERCURY VACUUM CLEANER OR OTHER SUITABLE MEANS.
DECONTAMINATE AREA WITH A MERCURY DECONTAMINATE. KEEP COLLECTED MERCURY FOR DISPOSAL.
WASTE DISPOSAL METHOD DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL
REGULATIONS.
SECTION 8 - SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION RESPIRATOR FOR PROTECTION AGAINST MERCURY VAPOR IS NEEDED IF THE PEL IS EXCEEDED.
LOCAL VENTILATION
USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET PEL REGULATIONS.
MECHANICAL VENTILATION
N/A
SPECIAL VENTILATION
N/A

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SECTION	8 - SPECIAL PROT	FECTION INFORMATION	ON (CONTINUE	D)
OTHER VENTILATION				
N/A				
				•
PROTECTIVE GLOVES				
IMPERVIOUS GLOVES	•			
EYE PROTECTION				
GOGGLES TO PROTECT AGAINS	T SDI ASHING MEDCUDA	,		
THER PROTECTIVE CLOTHING ( IMPERVIOUS CLOTHING RECOMMEND WASHED FREQUENTLY.	ED. CLOTHING SHOULD BE	REMOVED AT END OF WORK	DAY AND	
WASHED FREQUENTLY.		•=		
	CEOTION	COFCIAL DEFAILEM	N/A	
	SECTION 9 - :	SPECIAL PRECAUTIO	NS	
PRECAUTIONS TO BE TAKEN IN KEEP CONTAINERS TIGHTLY CLOSED	HANDLING AND STORA	GE RY AREA AWAY FROM FIRE		
HAZARD. NO SMOKING OR EATING I				
SHOWER OR BATHE EVERY DAY.				
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	SECTION 10 -	OTHER INFORMATION	ON	
MISCELLANEOUS INFO.				
N/A = NOT APPLICABLE. N/A = NOT AVAILABLE.				
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