

PSG INDUSTRIES INC -- MERCURY -- 6685-00-239-4937

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Product Identification  
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Product ID:MERCURY  
MSDS Date:07/31/1989  
FSC:6685  
NIIN:00-239-4937  
MSDS Number: BTJMG  
=== Responsible Party ===  
Company Name:PSG INDUSTRIES INC  
Address:1225 TUNNEL RD  
City:PERKASIE  
State:PA  
ZIP:18944-2131  
Country:US  
Info Phone Num:215-257-3621  
Emergency Phone Num:215-257-3621  
CAGE:18509  
=== Contractor Identificati  
on ===  
Company Name:PSG INDUSTRIES INC  
Address:1225 TUNNEL RD  
Box:City:PERKASIE  
State:PA  
ZIP:18944-2131  
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Composition/Information on Ingredients  
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Ingred Name:MERCURY (SARA III)  
CAS:7439-97-6  
RTECS #:OV4550000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C, 0.1 MG/M3; Z-2  
ACGIH TLV:S, 0.05 MG/M3; 9394  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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Hazards Identification  
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Rou

tes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: ACUTE: SKIN: IRRITATION. ABSORBED

THROUGH SKIN CAUSING ANURIA. EYE: IRRITATION, CORNEAL INJURY OR BURNS. INGESTION: IMMEDIATE NECROSIS IN MOUTH, THROAT, ESOPHAGUS & STOMACH. DEATH MAY OCCURE. INHALATION: DYSPNEA, COUGH, FEVER, NAUSEA & VOMITING, DIARRHEA, STOMATITIS, SALIVATION & METALLIC TASTE. CHRONIC: CNS DISTURBANCES.

Explanation of Carc

inogenicity: MERCURY IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure: TREMORS, CONVULSIONS & OTHER CNS DISTURBANCES, PNEUMONITIS, CHEST PAINS, DYSPNEA, COUGHING, STOMATITIS, GINGIVITIS AND LOOSENING OF TEETH, SALIVATION, LOSS OF MEMORY, METALLIC TASTE, DIZZINESS, CLUMSI NESS, SLURRED SPEECH, DIARRHEA, PAIN & NUMBNESS IN EXTREMITIES, NEPHRITIS, ANXIETY, HEADACHE, WEIGHT LOSS, AND INSOMNIA.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTOR

Y OF

ALCOHOLISM, CHRONIC KIDNEY DISEASE OR KNOWN ALLERGY TO MERCURY MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====

First Aid: INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF SOAP & WATER. INGESTION: G

ET IMMEDIATE MEDICAL ATTENTION.

A 5% SOLUTION OF SODIUM FORMALDEHYDE SULFOXYLATE MAY BE USED TO INDUCE VOMITING.

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===== Fire Fighting Measures =====

Extinguishing Media: NONE SPECIFIED BY MANUFACTURER. HMIS-USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures: HMIS-WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Ex

Explosion Hazard: MERCURY ITSELF IS NONFLAMMABLE BUT WILL  
EVAPORATE RAPIDLY ON EXPOSURE TO HEAT; FUMES ARE TOXIC.

===== Accidental Release Measures =====

Spill Release Procedures: PICK UP WITH VACUUM EQUIPMENT SPECIFICALLY  
DESIGNED FOR MERCURY PICK UP OR USE MERCURY SPILL KIT.

Neutralizing Agent: NONE

===== Handling and Storage =====

Handling and Storage Precautions: STORE IN A COOL, DRY PLACE AWAY FROM  
HEAT. AVOID INHALATION,  
ON, SKIN CONTACT AND INGESTION.

Other Precautions: THIS CHEMICAL IS SUBJECT TO SARA SECTION 313  
REPORTING. PROVIDE PREPLACEMENT AND PERIODIC MEDICAL EXAMS FOR  
THOSE REGULARLY EXPOSED TO MERCURY, WITH EMPHASIS ON CNS, SKIN,  
LUNGS, LIVER, KIDNEYS AND G. I. TRACT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS  
PER CURRENT 29 CFR

1910.134, INSTRUCTIONS/WARNINGS AND

NIOSH-RESPIRATOR DECISION LOGIC-PUBLICATION NUMBER 87.108.

Ventilation: PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN  
PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves: RUBBER

Eye Protection: CHEMICAL SAFETY GOGGLES

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

DO NOT GET

ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS.

===== Physical/Chemical Properties =====

HCC: T6

Boiling Pt: B.P. Text: 676F, 358C

Melt/Freeze Pt: M.P/F.P Text: -38F, -39C

Vapor Pres: 0.0019 MMHG

Vapor Density: 1.015

Spec Gravity: 13.59

Evaporation Rate & Reference: