

MALLINCKRODT INC SCIENCE PRODUCTS DIVISION -- HYDROQUINONE -- 6750-00-664-8269

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Product Identification
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Product ID:HYDROQUINONE

MSDS Date:11/09/1992

FSC:6750

NIIN:00-664-8269

MSDS Number: BSHKM

=== Responsible Party ===

Company Name:MALLINCKRODT INC SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982-5000

Emergency Phone N

um:314-539-1600

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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Composition/Information on Ingredients
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Ingred Name:HYDROQUINONE (SARA III)

CAS:123-31-9

RTECS #:MX3500000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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Hazards
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Identification =====

LD50 LC50 Mixture:LD50 ORAL 320 MG/KG (RAT)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION OF DUST MAY CAUSE

IRRITATION AND BRONCOPNEUMONIA. INGESTION MAY CAUSE HYPERACTIVITY,
STUPOR, FALL IN BLOOD PRESSURE, HYPERPNEA, ABDOMINAL PAIN,
DIARRHEA, INTENSE THIRST, SWEATING, TINNITIS, NAUSEA, VOMITING.
MAY CAUSE JAUNDICE. MAY CAUSE SEVERE E

YE/SKIN IRRITATION. MAY BE

ABSORBED THROUGH THE SKIN.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.

Effects of Overexposure:RESPIRATORY IRRITATION, BRONCOPNEUMONIA,
HYPERACTIVITY, STUPOR, FALL IN BLOOD PRESSURE, HYPERPNEA, ABDOMINAL
PAIN, DIARRHEA, INTENSE THIRST, SWEATING, TINNITIS, NAUSEA,
VOMITING, PALLOR, MUSCULAR TWIT CHING, HEADACHE, CYANOSIS,
DELIRIUM, COLLA

PSE, JAUNDICE, OLIGURIA, ANURIA, SEVER SKIN
IRRITATION, DERMATITIS, LESIONS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN OR
EYE DISORDERS OR GASTROINTESTINAL DISTURBANCES MAY BE MORE
SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA
THOROUGHLY WITH SOAP AND

WATER. GET MEDICAL ATTENTION PROMPTLY.

EYES: FLUSH WI TH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET
MEDICAL ATTENTION IMMEDIATELY. INGESTION: INDUCE VOMITING
IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN
THROAT. GET PHYSICIAN.

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

Flash Point Method:CC

Flash Point:329F,165C

Autoignition Temp:Autoignition Temp Text:516C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:WATER, C

ARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:MAY POSE A FIRE HAZARD WHEN EXPOSED TO HEAT, FLAME OR OXIDIZING AGENTS. MAY BE A SLIGHT EXPLOSION HAZARD WHEN EXPOSED TO HEAT.

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

Spill Release Procedures:VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. EVACUATE AREA OF LEAK OR SPILL. CLEAN-UP PERSONNEL SHOULD WEAR PROTECTIVE EQUIPMENT. COLLECT BY SCOOPING, MOPPING OR WET VACUUM AS APPROPRIATE. PACKAGE IN PAPER OR OTHER FLAMMABLE MATERIAL

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF HEAT OR IGNITION. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:ISOLATE FROM OXIDIZING MATERIALS. PROTECT FROM DIRECT SUNLIGHT.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES/ FACE SHIELD

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING INCLUDING BOOTS, LAB COAT, APRON OR COVERALLS.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health
REPORTABLE QUANTITY IS 1 POUND.

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

HCC:T4

Boiling Pt:B.P. Text:545F,285C

Melt/Freeze Pt:M.P/F.P Text:343F,173C

Vapor Pres:4

Va

por Density:3.81
Spec Gravity:1.36
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:MODERATE
Appearance and Odor:WHITE CRYSTALS, ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
SODIUM HYDROXIDE AND OXIDIZING AGENTS
Stability Condition to Avoid:SOLUTION BECOMES BROWN IN AIR DUE TO
OXIDATION.
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

===== Disposal Considerations =====
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Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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