

FISHER SCIENTIFIC CO CHEMICAL DIV. -- HYDROQUINONE -- 6750-00-664-8269

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Product Identification
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Product ID:HYDROQUINONE

MSDS Date:04/30/1992

FSC:6750

NIIN:00-664-8269

MSDS Number: BQGNZ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100 O

R 201-796-7523

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

CAS:123-31-9

RTECS #:MX3500000

Fraction by Wt: 100%

Other REC Limits:N/K

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:EFTS OF OVER

EXP:5-12 G FATAL.INH:VAP MAY CAUSE UPPER RESP
TRACT IRRIT,COUGHING,CHEST DISCOMFORT.FIRST AID:REMOVE (ING 3)
RTECS #:9999999ZZ
Other REC Limits:N/K
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:FIRST AID:FROM EXPOSURE TO FRESH AIR IMMED.IF BRTHG
STOPS,GIVE ARTF RESP.KEEP WARM,AT REST.TREAT SYMPTOMATICALLY (ING
4)
RTECS #:9999999ZZ
Other REC Limits:N/K
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:FIRST AID:AND SUPPORTIVELY.GET MED ATTN IMMED.NO SPECIFIC
ANTIDOTE.TREAT SYMPTOMATICALLY A
ND SUPPORTIVELY.
RTECS #:9999999ZZ
Other REC Limits:N/K
OSHA PEL:N/K
ACGIH TLV:N/K

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL:LD50 RAT 320 MG/KG,MOUSE 245 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MAY AFFECT CNS. SKIN-DEPIGMENTATION,
REDDISH SKIN/HAIR DISCOLORATION, SKIN SENSITIZATION, DERMATITIS
POSSIBLE CORNEAL INJURY, BROWN C
ORNEAL, CORNEAL OPACITY/STRUCTURAL
CHANGE; DYSTROPHY, DYSKERATOSIS (10-21 YRS) POSSIBLE. INGEST:
RESPIRATORY FAILURE; DEATH; LIVER/KIDNEY CHANGES, BRONCHOPNEUMONIA.
Explanation of Carcinogenicity:NOT A CARCINOGEN.
Effects of Overexposure:EYES:IRRITATION, TEARING, BURNING; DUST-CORNEAL
ULCERS. SKIN:IRRITATION, BURNING, REDNESS, RASH, ERTHEMA, DRYNESS,
FISSURES, ITCH, VESSICLES, INFLAMMATION). INGEST:NAUSEA, VOMIT,
TINNITUS, SLURRED SPE ECH, DIZZINESS, HEADACHE, SLEEPINESS, SE
NSE
OF SUFFOCATION, INCREASED PULSE/RESPIRATION,
DYPNEA,TWITCHES,CONVULSIONS.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN OR
EYE DISORDERS, OR GASTROINTESTINAL DISTURBANCES.

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

First Aid:EYES:WASH WITH LARGE AMOUNTS OF WATER/NORMAL SALINE FOR AT
LEAST 15-20 MIN; UNTIL CHEMICAL IS GONE. GET MEDICAL ATTENTION.
SKIN:WASH AREA WITH SOAP/MILD DETERGENT & LARGE AMOUNTS OF WATER
15-20 MIN

UN TIL CHEMICAL IS GONE.GET MEDICAL ATTENTION.

INGEST:INDUCE VOMIT, HAVE QUALIFIED MEDICAL PERSONS GIVE GASTRIC LAVAGE & FOLLOW WITH SALINE CATHARTIC & DEMULCENTS. SEE DOCTOR.
INHAL:REMOVE FROM EXPOSURE.

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

Flash Point Method:CC

Flash Point:329F,165C

Autoignition Temp:Autoignition Temp Text:960F

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY, STANDARD FOAM. LG FIRE: WATER SPRAY, FOG, STANDAR
RD FOAM.

Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA, FULL PROTECTIVE EQUIPMENT & FULL FACEPIECE WITH PRESSURE DEMAND/POSITIVE PRESSURE. REMOVE CONTRS. WATER/FOAM MAY CAUSE FROTHING.

Unusual Fire/Explosion Hazard:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT/FLAME. DUST/AIR MIX MAY IGNITE/EXPLODE. MAY BURN BUT DOES NOT IGNITE READILY.

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

Spill Release Procedures:DO NOT TOUCH. STOP LEAK W/O RISK. SMALL SPILL:

TAKE UP WITH SAND OR OTHER ABSORBENT; PUT IN CONTAINER FOR DISPOSAL. SMALL DRY SPILL: USE CLEAN SHOVEL; PUT MATERIAL IN CLEAN, DRY CONTAINER & COVER. REMOVE CONTAINER.

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

Handling and Storage Precautions:OBSERVE ALL FEDERAL,STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT EPA DISTRICT DIRECTOR.

Other Precautions:STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

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

Respiratory Protection:SPECIFIC RESP SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN WORK PLACE & MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR,& MUST BE JOINTLY APPROVED BY NIOSH/MSHA (AIR- PURIFYING/SUPPLIE D AIR RESP W/ FULL FACEPIECE OR SCBA).

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION/GENERAL DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:WEAR GLOVES APPROPRIATE FOR SUB

STANCE.

Eye Protection:SPLASH-PROOF/DUST-RESISTANT SFTY GOGG.

Other Protective Equipment:EMERGENCY EYE WASH FOUNTAIN IN IMMEDIATE WORK AREA.WEAR APPROPRIATE (IMPERVIOUS) PROTECTIVE CLOTHING AND EQUIPMENT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE

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

HCC:N1

Boiling Pt:B.P. Text:545-549F

Melt/Freeze Pt:M.P/F.P Text:343-345F

Vapor Pres:1 MMHG

Vapor Density:3.81,AIR=1

Spec Gr

avity:1.329

Solubility in Water:7% @ 25C,77F

Appearance and Odor:COLORLESS TO WHITE CRYSTALLINE SOLID WHICH DARKENS ON EXPOSURE TO AIR OR LIGHT.

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

Stability Indicator/Materials to Avoid:YES

ALKALI (OXIDATION); STRONG OXIDIZERS (FIRE/EXPLO); O2 (EXOTHERMIC OXIDATION); SODIUM HYDROXIDE (EXOTHERMIC DECOMPOSITION

Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

Hazardous Decomposition Products

:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF CARBON.

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

===== Disposal Considerations =====

Waste Disposal Methods:FOR ASSISTANCE WITH DISPOSAL, CONTACT EPA DISTRICT DIRECTOR. HYDROQUINONE:SARA TITLE III SECTION 313 LISTED.RQ:1 POUND.

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