

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

=====
Product Identification
=====

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

=====
Composition/Information on Ingredients
=====

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.

=====

== 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.

Disclaimer (provided with this information by the compiling agencies)

:
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.