

FISHER SCIENTIFIC, CHEMICAL DIV. -- P-QUINONE,20070,Q 36-500 -- 6810-01-448-9756

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

Product ID:P-QUINONE,20070,Q 36-500

MSDS Date:09/02/1997

FSC:6810

NIIN:01-448-9756

MSDS Number: CFTJF

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIRLAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:1B

464

=== 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:QUINONE (SARA 313) (CERCLA)

CAS:106-51-4

RTECS #:DK2625000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 PPM

ACGIH TLV:0.1 PPM; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

===== Haz

ards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 130 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:TARGET ORGANS:CNS. ACUTE- TOXIC. EYE CONTACT MAY CAUSE SEVERE IRRITATION & POSSIBLY DAMAGE. HARMFUL IF INGESTED, INHALED/ABSORBED THROUGH SKIN. MAY CAUSE SKIN BURNS, CNS & HEART EFFECTS, DECREASED BLO OD PRESSURE, RESPIRATORY TRACT IRRITATION, METH

EMOGLOBINEMIA & POSSIBLE DEATH. CHRONIC- MAY CAUSE PERMANENT EYE DAMAGE.

Explanation of Carcinogenicity:QUINONE - IARC GROUP 3 CARCINOGEN, PER MSDS.

Effects of Overexposure:SEVERE IRRITATION, NAUSEA, VOMITING, ABDOMINAL PAIN, TEARING, BLURRED VISION, HEADACHE, FATIGUE, DIZZINESS, DROWSINESS, UNCONSCIOUSNESS, CONVULSIONS, POSSIBLE DEATH

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED CENTRAL NERVOUS SYSTEM OR RESPIRATO RY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF WATER & SOAP. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONS CIOUS & ALERT, DRINK 2-4 CUPFULS OF MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INDUCE VOMITING BY GIVI NG 1 TEASPOON OF SYRUP OF IPECAC. NOTE TO PHYSICIAN:TREAT SYMPTOMATICALLY.

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

Flash Point:195F,91C

Autoignition Temp:Autoignition Temp Text:815F

Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE (CO2), ALCOHOL FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PROD

UCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard:AS WITH ANY FINELY DIVIDED ORGANIC SOLID,
DUST MAY BE EXPLOSIVE IF MIXED WITH AIR IN CRITICAL PROPORTIONS AND
IN THE PRESENCE OF AN IGNITION SOURCE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.
REMOVE IGNITION SOURCES. SWEEP UP SPILL. PLACE INTO A SUITABLE
CONTAINER FOR REUSE OR DISPOSAL. AVOID DUST GENERATION. WASH SPILL
SITE AFTER PI

CKUP IS COMPLE TE.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED PLACE
AWAY FROM IGNITION SOURCES & INCOMPATIBLES. KEEP CONTAINER TIGHTLY
CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:TOXIC! AVOID BREATHING DUSTS. AVOID CONTACT WITH
EYES, SKIN OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. DO NOT
STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE TH
EY MAY

BECOME CONTAMINATED WITH THIS MATERIAL. AVOID INGESTION.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF TLV IS EXCEEDED OR
FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED RESPIRATOR OR
AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED
POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV
REQUIREMENTS.

Protective Glov

es:RUBBER, NEOPRENE

Eye Protection:SAFETY GLASSES/CHEMICAL GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE
CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:T3

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:235F,113C

Vapor Pres:NEGLIGIBLE

Vapor Density:3.7

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pec Gravity:1.3180
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:SLIGHT
Appearance and Odor:YELLOW OR GREEN SOLID, CHLORINE-LIKE ODOR

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

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS, SOME FORMS OF COATINGS, RUBBER AND PLASTICS
Stability Condition to Avoid:EXCESSIVE HEAT, MOISTURE, IGNITION SOURCES
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. RECYCLING OR REUSINS IS RECOMMENDED. RCRA
WASTE NUMBER: U197

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