

FISHER SCIENTIFIC, CHEMICAL DIV. -- PHENOL,CRYSTALLIZED,A 92-500 -- 6810-01-449-1743  
===== Product Identification =====

Product ID:PHENOL,CRYSTALLIZED,A 92-500

MSDS Date:04/19/1996

FSC:6810

NIIN:01-449-1743

MSDS Number: CFRNM

=== 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:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

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:PHENOL (SARA)

302/313) (CERCLA)  
CAS:108-95-2  
RTECS #:SJ3327000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, 5 PPM  
ACGIH TLV:S, 5 PPM; 9596  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 317 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:KIDNEYS, CNS, LIVER.  
ACUTE- C  
ORROSIVE. CONTACT WITH EYES/SKIN CAUSES SEVERE BURNS &  
POSSIBLE IRREVERSIBLE EYE DAMAGE. HARMFUL/FATAL IF INGESTED,  
INHALED/ABSORBED THROUGH SKIN. MAY CAUSE CNS EFFECTS, SEVERE  
IRRITATION, SYSTEMIC POISONING & POSSIBLE DEATH. CHRONIC-  
DERMATITIS, LIVER & KIDNEY DAMAGE.  
Explanation of Carcinogenicity:PHENOL MAY CAUSE CANCER IN HUMAN. MAY  
CAUSE CANCER BASED ON ANIMAL STUDIES, PER MSDS.  
Effects of Overexposure:SEVERE IRRITATION, NAUSEA, VOMITING, ABDOMINAL  
PAIN, TEARING, BL  
URRED VISION, HEADACHE, EXCITMENT, FATIGUE, COMA,  
DIZZINESS, DROWSINESS, COLLAPSE, UNCONSCIOUSNESS, CONVULSIONS,  
BURNS, POSSIBLE DEATH  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY  
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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===== First Aid Measures =====  
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First Aid:GET IMMEDIATE 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  
NECESSARY. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS & ALERT,  
DRINK 2-4 CUPFULS OF MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN  
UNCONSCIOUS PERSON. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD  
BELOW HIPS.

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===== Fire Fighting Measures =====  
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Flash Point:175F,79C  
Autoignition Temp:Autoignition Temp Text:1319F  
Lower Limits

:1.7

Upper Limits:8.6

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 PRODUCTS MAY BE FORMED.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA. ABSORB SPILL WITH INERT MATERIAL SUCH AS DRY SAND. TRANSFER TO A SUITABLE CONTAINER FOR REUSE OR DISPOSAL. AVOID DUST GENERATION. WASH SPILL SITE AFTER PICKUP IS COMPLETE.

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: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 THEY 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 Gloves: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 =====

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HCC:T3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:359F,182C

Melt/Freeze Pt:M.P/F.P Text:106F,41C

Vapor Pres:0.36

Vapor Density:3.2

Spec Gravity:1.07

pH:6

Viscosity:12.7 CPS

Evaporation Rate & Reference:0.01 (N-BUTYL ACETATE=1)

Solubility in Water:MODERATE

Appearance and Odor:WHITE CRYSTALLINE SOLID OR LIQUID - SHARP ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ALKALIS, NITRI

C ACID, CALCIUM

HYPOCHLORITE, HALOGENS, NITROBENZENE + ALUMINUM CHLORIDE

Stability Condition to Avoid:EXCESSIVE HEAT, 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: U188

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