

FISHER SCIENTIFIC, CHEMICAL DIV. -- X5SK-4,HC7001GAL,XYLENE,96%,MIXED ISOMERS WITH ETHYL-BENZENE -- 6810-00-820-0496

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Product Identification  
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Product ID:X5SK-4,HC7001GAL,XYLENE,96%,MIXED ISOMERS WITH ETHYL-BENZENE

MSDS Date:12/12/1997

FSC:6810

NIIN:00-820-0496

Status Code:A

MSDS Number: CKLGQ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100/703-527-3887 INTERNAT.

Emergency Phone Num:201-796-7100

Preparer's Name:NOT PROVIDED.

Chemtec Ind/Phone:(800)424-9300

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:XYLENES (O-, M-, P- I SOMERS)

CAS:1330-20-7

RTECS #:ZE2100000

= Wt:100.

Other REC Limits:NIOSH 100 PPM

OSHA PEL:100 PPM/435 MG/KG

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:651 MG/M3;150 PPM

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) 4300 MG/KG

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

Health Hazards Acute and Chronic:TARGET ORGANS: KIDNEYS, CNS, LIVER.

POTENTIAL HEALTH EFFECTS: EYE: CAUSES SEVERE EYE

**IRRITATION. SKIN:**

MAY CAUSE IRRITATION, INFLAMMATION. PROLONGED AND/OR REPEATED CONTACT MAY CAUSE DEFATTING AND DERMATITIS. INGESTION: MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, KIDNEY DAMAGE, LIVER DAMAGE. CAUSES GASTROINTESTINAL IRRITATION WITH NAUSEA, VOMITING, DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS, WHICH MAY BE FATAL. INHALATION: MAY CAUSE HEADACHE, DIZZINESS, UNCONSCIOUSNESS, COMA, RESPIRATORY IRRITATION, GENERAL WEAKNESS.

CHRONIC: MAY CAUSE PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

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

Effects of Overexposure:EYE: CAUSES SEVERE EYE IRRITATION. SKIN: MAY CAUSE IRRITATION, REDNESS, DRYNESS, AND INFLAMMATION. PROLONGED AND/OR REPEATED CONTACT MAY CAUSE DEFATTING AND DERMATITIS. SKIN ABSORPTION IS SLIGHT. INGESTION: MAY CAUSE HEADACHE, EXCITEMENT, FATIGUE, STUPOR, AND COMA. CAUSES GASTROINTESTINAL IRRITATION WITH NAUSEA, VOMITING,

DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS, WHICH MAY BE FATAL. INHALATION: MAY CAUSE HEADACHE, DIZZINESS, UNCONSCIOUSNESS, COMA, RESPIRATORY IRRITATION, GENERAL WEAKNESS. IRRITATION MAY LEAD TO CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:NOT PROVIDED.

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

First Aid:EYES: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS. GET MEDICAL AID IMMEDIATELY. SKIN: FLUSH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL AID IF IRRITATION DEVELOPS OR PERSISTS. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPFULS OF MILK OR WATER. GET MEDICAL AID IMMEDIATELY. INHALATION: GET MEDICAL AID IMMEDIATELY. REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

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

Flash Point:=-25.C, 77.F

Autoignition Temp:=-460.C, 860.F

Lower Limits:1.10 VOL%

Upper Limits:7.00 VOL%

Extinguishing Media:FOR SMALL FIRES, USE DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR ALCOHOL-RESISTANT FOAM. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF CONTAINED BREATHING APPARATUS

RATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.

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

Spill Release Procedures:ABSORB SPILL WITH INERT MATERIAL, (E.G., DRY SAND OR EARTH), THEN PLACE IN CHEMICAL WASTE CONTAINER. REMOVE ALL SOURCES OF IGNITION.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =  
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Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES. FLAMMABLES-AREA.

Other Precautions:WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN, CLOTHING. KEEP CONTAINER TIGHTLY CLOSED. AVOID INGESTION AND INHALATION.

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

Respiratory Protection:A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves:WEAR APPROPRIATE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection:

WEAR SAFETY GLASSES AND CHEMICAL GOGGLES IF SPLASHING IS POSSIBLE.

Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO MINIMIZE CONTACT WITH SKIN.

Work Hygienic Practices:NOT PROVIDED.

Supplemental Safety and Health  
NONE

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

HCC:F3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:140.C, 284.F

Melt/Freeze Pt:-50.C, -58.F

Decomp Temp:Decomp Text:NOT AVAILABLE.

Vapor Pres:21

Vapor Density:3.66

Spec Gravity:0.862

0

pH:NOT AVAILABLE

Viscosity:0.6

Evaporation Rate & Reference:0.6

Solubility in Water: