

FISHER SCIENTIFIC CO CHEMICAL DIV. -- BENZALDEHYDE -- 6810-00-063-6955

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Product Identification  
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Product ID: BENZALDEHYDE

MSDS Date: 12/19/1991

FSC: 6810

NIIN: 00-063-6955

MSDS Number: BQKLX

=== 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

OR 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: BENZALDEHYDE

CAS: 100-52-7

RTECS #: CU4375000

Fraction by Wt: 100% %

Other REC Limits: NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture: LD50 OR

AL (RAT) = 1300 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:MODERATELY TOXIC BY DERMAL ABSORPTION, INHALATION, INGESTION, IRRITANT TO RESPIRATORY TRACK/ SKIN/EYES, CENTRAL NERVOUS SYSTEM DEPRESSANT, LUNG INJURY, CONVULSIONS, RESPIRATORY FAILURE, CONJUNCTIVITIS , GASTROINTESTINAL DISTURBANCES.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS CURRENTLY CLASSIFI

ED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:DYSPNEA, SORE THROAT, COUGHING, NAUSEA, VOMITING, HEADACHE, LIGHTHEADEDNESS, DULLNESS, NARCOSIS, CONVULSIONS, SKIN REDNESS/PAIN, SKIN DEFATTING, EYE IRRITATION/TEARING/REDNESS/PAIN, ABDOMINAL PAIN, DI ZZINESS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, P  
ERFORM ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.  
SKIN: REMOVE CONTMINATED CLOTHING. WASH WITH SOAP AND WATER FOR 15  
MINUTES. GET MEDICAL ATTENTION. EYES: WASH IMMEDIATELY WITH WATER  
FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: IF CONSCIOUS AND  
NOT CONVULSING, INDUCE VOMITING. KEEP HEAD BELOW HIPS. GET MEDICAL  
ATTENTION

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

Flash Point Method:CC

Flash Point:145F,63C

Autoignition Temp:Autoig

nition Temp Text:377F

Lower Limits:1.4 %

Upper Limits:NOT GIVEN

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR  
ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures:MODERATE FIRE HAZARD WHEN EXPOSED TO HEAT OR  
FLAME. VAPOR-AIR MIXTURES ARE EXPLOSIVE ABOVE FLASH POINT. USE  
WATER TO COOL FIRE-EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY  
TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH  
BACK.

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= Accidental Release Measures =====

Spill Release Procedures:SHUT OFF IGNITION SOURCES. STOP LEAK IF POSSIBLE. TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE AREA AND DENY ENTRY .

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. PROTECT FROM EXPOSURE TO AIR OR LIGHT. AVOID CONTACT WITH HEAT, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION.

Other Precautions:DO NOT OVERHEAT CONTAINERS. CONTAINERS MAY VIOLENTLY RUPTURE AND TRAVEL A CONSIDERABLE DISTANCE IN HEAT OF FIRE.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION SYSTEM.

Protective Gloves:RECOMMENDED

Eye Protection:SPLASH PROOF OR DUST RESISTANT GOGGLES

Other Protective Equipment:EYE WASH FOUNTAIN AND QUICK DRENCH SHOWER SHOULD BE READILY ACCESSIBLE.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

IN CASE OF INGESTION, TO INDUCE VOMITING, GIVE SYRUP OF IPECAC FOLLOWED BY WATER. RE

PEAT IN 20 MINUTES IF NOT EFFECTIVE INITIALLY. GIVE ACTIVATED CHARCOAL.

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

HCC:V4

Boiling Pt:B.P. Text:352F,178C

Melt/Freeze Pt:M.P/F.P Text:-15F,-26C

Vapor Pres:1 MMHG

Vapor Density:3.65

Spec Gravity:1.0415

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS TO PALE YELLOW LIQUID WITH BITTER ALMOND ODOR & BURNING AROMATIC TASTE

===== Stability and Reactivity D

ata =====

Stability Indicator/Materials to Avoid: YES

ALKALINE CYANIDE SOLUTIONS, STRONG BASES, STRONG OXIDIZERS, STRONG REDUCING AGENTS

Stability Condition to Avoid: HEAT, SPARKS, OPEN FLAMES

Hazardous Decomposition Products: TOXIC OXIDES OF CARBON

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

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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