

SIGMA-ALDRICH CORPORATION -- F1635 FORMALDEHYDE -- 6810-00-242-3643

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Product Identification
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Product ID:F1635 FORMALDEHYDE

MSDS Date:10/01/1989

FSC:6810

NIIN:00-242-3643

MSDS Number: BKHJL

=== Responsible Party ===

Company Name:SIGMA-ALDRICH CORPORATION

Address:1001 WEST SAINT PAUL AVE.

Box:2060

City:MILWAUKEE

State:WI

ZIP:53233

Info Phone Num:(800) 325-5832 OR (800) 231-8327

Emergency

Phone Num:(800) 325-5832 OR (800) 231-8327

CAGE:GO059

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

Company Name:SIGMA-ALDRICH CORPORATION

Address:1001 WEST SAINT PAUL AVE

Box:2060

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Phone:800-231-8327

CAGE:GO059

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Composition/Information on Ingredients
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Ingred Name:FORMALDEHYDE (SARA III)

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CAS:50-00-0
RTECS #:LP8925000
OSHA PEL:SEE 1910.1048
ACGIH TLV:C 0.3 PPM; A2; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)
CAS:67-56-1
RTECS #:PC1400000
Other REC Limits:200 PPM
OSHA PEL:S,200PPM/250STEL
ACGIH TLV:S,200PPM/250STEL; 93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): 800 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:Y
ES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:SKIN: ALLERGIC REACTION,
SENSITIZATION, FATAL & ABSORPTION. EYE: IRRITATION/LACHRYMATION.
INHALATION: MUCOUS MEMBRANE/UPPER RESPIRATORY IRRITATION, ALLERGIC
RESPIRATORY REACTION, COUGHING, CHEST PAINS , DIFFICULTY BREATHING
& PULMONARY EDEMA. INGESTION: GASTROINTESTINAL DISTURBANCES,
BLINDNESS, FATAL, POISONOUS.
Explanation of Carcinogenicity:FORMALDEHYDE IS SUSPECTED TO BE AN A2
CA
RCINOGEN.
Effects of Overexposure:SKIN: ALLERGIC REACTION, SENSITIZATION, FATAL &
ABSORPTION. EYE: IRRITATION & LACHRYMATION. INHALATION: ALTERATION
OF GENETIC MATERIAL, HIGHLY TOXIC, & FATAL. INGESTION:
GASTROINTESTINAL DISTURBANCES, BLINDNESS, FATAL & POISONOUS.

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

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST 15MINS.
INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED.
INGESTION: OBT

AIN MEDICAL ATTENTION IN ALL CASES. NOTE TO
PHYSICIAN: CANNOT BE MADE POISONOUS.

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

Flash Point:133F

Lower Limits:7%

Upper Limits:73%

Extinguishing Media:CO2, DRY CHEMICAL POWDER, ALCOHOL, POLYMER FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS &
PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE-EXPOSED
CONTAINERS.

Unusual Fire/Explosion Hazard:COMBUSTIBLE LIQUID. AUTO IGNITION
TEMPERATURE

: 572F.

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

Spill Release Procedures:EVAUCATE AREA. WEAR PROTECTIVE EQUIPMENT.
ABSORB ON SAND OR VERMICULITE & PLACE IN CLOSED CONTAINERS FOR
DISPOSAL. VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICKUP IS
COMPLETE.

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

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED & AWAY
FROM HEAT & OPEN FLAME.

Other Precautions:AVOID CONTACT W
/EYES, SKIN, CLOTHING & BREATHING
VAPORS.

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

Respiratory Protection:WEAR AN APPROPRIATE NIOSH-MSHA APPROVED
RESPIRATOR.

Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves:CHEMICAL RESISTANT, HEAVY RUBBER

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, SAFETY SHOWER, EYE
BATH, & RUBBER BOOTS.

Work Hygienic Practices:REMOVE/DISCARD CONTAMINATED CLOTHING & SHOES.
WASH THOROU

GHLY AFTER HANDLING.
Supplemental Safety and Health

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

Vapor Pres:52
Vapor Density:1.03
Spec Gravity:1.083
Appearance and Odor:COLORLESS LIQUID

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, BASES, OXIDIZING AGENTS, ANILINE, PHENOL, ISOCYANATES, &
ANHYDRIDES.
Stability Condition to Avoid:HEAT & OPEN FLAME.
Hazardous Decomposition Products:CO, CO2
& TOXIC FUMES

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

Waste Disposal Methods:DISSOLVE OR MIX THE MATERIAL W/A COMBUSTIBLE
SOLVENT & BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER
& SCRUBBER. IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.
COMBUSTIBLE LIQUID. RCR A WASTE NUMBER U122, DOT UN1198 & 2209.

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