

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- FORMALDHYDE (FORMALIN) 10% --  
6550-01-276-4598

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

Product ID: FORMALDHYDE (FORMALIN) 10%

MSDS Date: 10/28/1991

FSC: 6550

NIIN: 01-276-4598

MSDS Number: BVQDT

=== Responsible Party ===

Company Name: ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address: 3849 FISHER RD

Box: 2219

City: COLUMBUS

State: OH

ZIP: 43228

Country: US

Info Phone

Num: 614-790-3333

Emergency Phone Num: 800-274-5263

CAGE: 7L600

=== Contractor Identification ===

Company Name: ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address: 3849 FISHER RD

Box: 2219

City: COLUMBUS

State: OH

ZIP: 43216

Country: US

Phone: 614-790-3333 / 800-325-3751

CAGE: 7L600

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===== Composition/Information on Ingredients =====

Ingred Name: FORMALDEHYDE (SARA III)

CAS: 50-00-0

RTECS #: LP8925000

Fraction by Wt: 3.5-3.9%

Other REC Limits: NONE RECOMMENDED

OSHA PEL: SEE 1910.1048

ACGIH T

LV:C 0.3 PPM; A2; 9394  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: 1-2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S,200PPM  
ACGIH TLV:S,200PPM/250STEL; 94  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM PHOSPHATE, DIBASIC (SARA III)  
CAS:7558-79-4  
RTECS #:WC4500000  
Fraction by Wt: 6.5% GRL  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM PHOSPH  
ATE, MONOBASIC  
CAS:7558-80-7  
RTECS #:WA1900000  
Fraction by Wt: 4% GR/L  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:STRONGLY IRRITATING TO SKIN, EYES,  
RESPIRATORY TRACT AND MUCOSAL MEMBRANES. POISONESS. MAY CAUSE  
ALLERGIC REACTIONS. MAY CAUSE PERMANENT EYE DAMAGE.  
Explanation of Carc  
inogenicity:CONTAINS F [50-00-0] WHICH IS  
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.  
Effects of Overexposure:INGESTION CAUSES SEVERE GASTROINTESTINAL  
SYMPTOMS. POISON.  
Medical Cond Aggravated by Exposure:RESPIRATORY AILMENTS, SKIN  
CONDITIONS, EYE CONDITIONS.

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

First Aid:REMOVE TO FRESH AIR IF OVERCOME BY BUMES AND BEGIN  
RESUCITATION IF NOT BREATHING. INDUCE VOMITTING IF INGESTED, WASH

ALL CONTAMINATED AREAS, SEEK MEDICAL HELP.

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

Flash Point Method:PMCC

Flash Point:155F,68C

Extinguishing Media:FOAM, WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE.

Unusual Fire/Explosion Hazard:FORMS HAZARDOUS FUMES, CARBON MONOXIDE, CARBON DIOXIDE.

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

Spill Release Procedure:

ALLERT PERSONAL, ABSORB IN ABSORBENT MATERIAL, PLACE IN FUME TIGHT CONTAINER. PREVENT RUNOFF TO WATERWAYS OR SWERS. NOTIFY AUTHORITIES OF A SPILL.

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

Handling and Storage Precautions:WEAR PROTECTIVE CLOTHING, GLOVES AND MASK DESIGNED FOR FORMALDEHYDE. USE ONLY IN WELL VENTILATED AREA. MONITOR EXPOSURE TO MATERIAL.

Other Precautions:NONE

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

Respiratory Protection:

FULL FACE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST-MUST COMPLY WITH REGULATIONS.

Protective Gloves:YES, MADE OF MATERIAL RESISTANT.

Eye Protection:FULL FACE SHIELD

Other Protective Equipment:MATERIALS RESISTANT TO PRODUCT.

Work Hygienic Practices:USE CAUTION WHEN HANDLING. MONITOR EXPOSURE TO MATERIAL.

Supplemental Safety and Health  
NONE

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

HCC:V4

Boiling Pt:B.P. Text:214F,101C

Vapor P

res:1.3  
Vapor Density:1.0  
Spec Gravity:1.10  
Evaporation Rate & Reference:SLOWER THAN ETHER  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR LIQUID WITH STRONG PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid:YES  
STRONG ALKALIS, STRONG ACIDS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE.

===== Disposal Considerations  
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Waste Disposal Methods:CONSULT LOCAL, STATE AND FEDERAL AUTHORITIES FOR  
PROPER DISPOSAL METHODS.

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