

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

===== 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

===== 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 Procedures: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
=====

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent
professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.