

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

Product ID:NEO-FORM ARTERIAL EMBALMING FLUID

MSDS Date:09/01/1992

FSC:9930

NIIN:00-935-3639

MSDS Number: BYCMJ

=== Responsible Party ===

Company Name:CHAMPION CHEMICAL CO.

Address:400 HARRISON ST

Box:967

City:SPRINGFIELD

State:OH

ZIP:45501-0967

Country:US

Info Phone Num:513-324-5681

Emergency Phone Num:513-324-5681

CAGE:MO291

=== Contractor Identif

ication ===

Company Name:CHAMPION CHEMICAL CO.

Address:400 HARRISON ST

Box:967

City:SPRINGFIELD

State:OH

ZIP:45501-0967

Country:US

Phone:513-324-5681

CAGE:MO291

Company Name:CHAMPION CO THE SPECIAL PRODUCTS DIV

Address:400 HARRISON ST

Box:967

City:SPRINGFIELD

State:OH

ZIP:45501-0967

Country:US

Phone:513-324-5681

CAGE:94231

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

Ingred Name:FORMALDEHYDE (SARA 302/313) (CERCLA)

CAS:50-00-0

RTECS #:LP8925000

Fraction by Wt: 15%

OSHA

PEL:SEE 1910.1048
ACGIH TLV:C 0.3 PPM, A2; 9495
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA 313) (CERCLA)
CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: 40%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 200 PPM
ACGIH TLV:S,200PPM/250STEL; 95
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:SWALLOWING THE LIQUID CAUSES
INEBRIATION, HEADACHE, NAUSEA & VOMITING LEADING TO SEVERE ILLNESS,
BLINDNESS & PERHAPS DEATH.
Explanation of Carcinogenicity:CONTAINS F [50-00-0] WHICH IS
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
Effects of Overexposure:INEBRIATION, HEADACHE, NAUSEA & VOMITING
LEADING TO SEVERE ILLNESS, BLINDNESS & PERHAPS DEATH.
Medical Condition Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

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

First Aid:EYES:CALL PHYSICIAN, IMMEDIATELY FLUSH W/PLENTY OF WATER.
SKIN:WASH W/SOAP & WATER, FLUSH FOR ABOUT 15 MIN. INHALATION:REMOVE
TO FRESH AIR, GIVE OXYGEN OR ARTIFICIAL RESPIRATION.
INGESTION:INDUCE VOMITING, GIVE MILK FREELY IF CONSCIOUS.

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

Flash Point Method:COC
Flash Point:120F,

49C

Lower Limits:6.7

Upper Limits:72

Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. COOL CONTAINER W/WATER SPRAY.

Unusual Fire/Explosion Hazard:MFR GAVE NO INFORMATION ON MSDS.

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

Spill Release Procedures:FLUSH SPILLED MATERIAL TO SEWER W/LARGE VOLUMES OF WATER - IF ALLOWED. NEUTRALIZE W/5% SOLUTIONS OF AMMONIA OR SODIUM SULFITE.

Ne

utralizing Agent:5% SOLUTIONS OF AMMONIA OR SODIUM SULFITE.

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

Handling and Storage Precautions:MAINTAIN ADEQUATE VENTILATION & ENGINEERING CONTROLS TO ENSURE EXPOSURE LEVELS BELOW OSHA LIMITS. AVOID PROLONGED INHALATION OR CONTACT W/SKIN OR EYES

Other Precautions:KEEP BOTTLES TIGHTLY CAPPED. KEEP AWAY FROM HEAT & FLAMES. STORE AT TEMPERATURES NO LOWER THAN 45F NOR HIGHER THAN 110F.

===== Exposure Contro

ls/Personal Protection =====

Respiratory Protection:UNNECESSARY IF AREA IS ADEQUATELY VENTILATED, FORMALDEHYDE RESPORATOR MASK (3M).

Ventilation:GENEARL MECHANICAL VENTILATION IS ACCEPTABLE IF NECESSARY. LOCAL VENTILATION IS PREFERRED.

Protective Gloves:PLASTIC TYPE.

Eye Protection:COVERALL GOGGLES

Other Protective Equipment:SAFETY SHOWER, EYE BATH, APRON

Work Hygienic Practices:MFR:?. HMIS:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE

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

HCC:T4

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:180F,82C

Vapor Density:1

Spec Gravity:0.985

Evaporation Rate & Reference:1 (N-BUAC = 1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR WATER-WHITE LIQUID, MODERATE IRRITATING ODOR

Percent Volatiles by Volume:40

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

Stability Indicator/Materi

als to Avoid: YES

OXIDANTS (ACIDS)

Stability Condition to Avoid: SPARKS, HEAT, & FIRES

Hazardous Decomposition Products: AT ELEVATED TEMPERATURES, RELEASES
FORMALDEHYDE GAS, CARBON DIOXIDE, CARBON MONOXIDE.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: FLUSH TO CHEMICAL SEWER, INCINERATE, DISPOSE IN
SANITARY LANDFILL OR FLUSH TO WASTE TREATMENT SYSTEM.

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.