

LORVIC CORPORATION -- LORVIC AMMONIA INHALANTS -- 6520-00F011072

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

Product ID:LORVIC AMMONIA INHALANTS
MSDS Date:01/01/1987
FSC:6520
NIIN:00F011072
MSDS Number: BJBBV
=== Responsible Party ===
Company Name:LORVIC CORPORATION
Address:8810 FROST AVENUE
City:ST. LOUIS
State:MO
ZIP:63134
Info Phone Num:(314) 524-7444
Emergency Phone Num:(314) 524-7444
CAGE:FO554
=== Contractor Identification ===
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Address:8810 FROST AVE
Box:City:ST LOUIS
State:MO
ZIP:63134-1095
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Phone:314-524-7444/FAX 314-524-7446
CAGE:21788
Company Name:LORVIC CORPORATION
Address:8810 FROST AVENUE
City:ST. LOUIS
State:MO
ZIP:63134
Phone:(314) 524-7444
CAGE:FO554

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

Ingred Name:AMMONIUM HYDROXIDE (SARA III)
CAS:1336-21-6
RTECS #:BQ9625000
Fraction by Wt: 59%
Other REC Limits:25 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL ALCOHOL (ETHANOL)
CAS:64-17-5
RTECS #:KQ6300000
Fraction by Wt: 35%
Other REC Limits:1900 MG/CUM
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN: IRRITATION & CORROSIVE TO BODY
TISSUES. INHALATION: IRRITATION TO THE MUCOUS MEMBRANES OF THE
RESPIRATORY TRACT, HEADACHE, COUGHING, & SEVERE LUNG CONGESTION.
INGESTION: CORROSIVE TO THE DIGESTI VE TRACT. EYES: LOSS OF VISION,
DAMAGESTISSUES.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SKIN: IRRITATION & CORROSIVE TO BODY TISSUES.
INHAATION: IRRITATION TO THE MUCOUS MEMBRANES OF THE RESPIRATORY
TRACT, HEADACHE, COUGHING, & SEVERE LUNG CONGESTION. INGESTION:
CORROSIVE TO THE DIGESTIV E TRACT. EYES: LOSS OF VISION, DAMAGES
TISSUES.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING IF
REQUIRED, ADMINISTER OXYGEN. CONTACT PHYSICIAN. EYES: FLUSH
W/PLENTY OF WATER. CONSULT PHYSICIAN. SKIN: FLUSH W/LOTS OF WATER
WHILE REMOVING CONTA MINATED CLOTHING & SHOES. CONTACT PHYSICIAN.
INGESTION: IF CONSCIOUS, GIVE LOTS OF WATER/DILUTE W/VINEGAR/CITRUS
JUICE TO DRINK, FOLLOWED BY MILK. DON'T INDUCE VOMITING. CONTACT
PHYSICIAN.

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

Flash Point Method:CC
Flash Point:48F
Lower Limits:10.6%
Upper Limits:22.3%
Extinguishing Media:DRY CHEMICAL, CO2, ALCOHOL FOAM, & WATER SPRAY
Fire Fighting Procedures:USE COLD WATER SPRAY TO COOL FIRE-EXPOSED
CONTAINERS & REDUCE FIRE INTENSITY. WATER SPRAY MAY BE INEFFECTIVE.
FIREFIGHTERS SHOULD USE SCBA IN ENCLOSED AREA.
Unusual Fire/Explosion Hazard:ETHYL ALCOHOL IS AN OSHA CLASS 1B
FLAMMABLE LIQUID. IT'S A DANGEROUS FIRE HAZARD WHEN EXPOSED TO HEAT
OR FLAME & MODERATE EXPLOSION HAZARD WHEN EXPOSED TO FIRE.

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

Spill Release Procedures:EVACUATE AREA. CLEAN UP PERSONNEL NEED
PROTECTION AGAINST LIQUID & INHALATION OF MISTS/VAPORS. CONTAIN
SPILL FOR RECOVERY WHEN FEASIBLE/FLUSH W/WATER TO HOLDING AREA FOR
NEUTRALIZATION. DON'T FLUSH DI RECTLY TO SEWER. MIX W/SAND & PLACE
IN BARRELS.
Neutralizing Agent:DILUTE W/WATER, NEUTRALIZE W/DILUTE SULFURIC
ACID/HYDROGEN CHLORIDE & DISCHARGE.

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

Handling and Storage Precautions:USE CAUTION IN OPENING SEALED
CONTAINERS FOR PROPER PRESSURE RELIEF. PREVENT DAMAGE TO
CONTAINERS.
Other Precautions:STORE IN A COOL, <80F TO AVOID PRESSURIZATION >1 ATM,
IN CLOSED CONTAINERS, AWAY FROM SOURCES OF HEAT, DIRECT SUNLIGHT, &
INCOMPATIBLE MATERIALS.

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

Respiratory Protection:IF >TLV, USE CHEMICAL CARTRIDGE RESPIRATOR WITH
FULL FACEPIECE OR USE SELF-CONTAINED BREATHING APPARATUS.
Ventilation:LOCAL EXHAUST/MECHANICAL
Protective Gloves:RUBBER
Eye Protection:SPLASH-PROOF GOGGLES/FULL FACESHIELD
Other Protective Equipment:RUBBER SUIT, BOOTS, APRON
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:108F
Vapor Pres:279
Vapor Density:0.908
Spec Gravity:0.815
Solubility in Water:COMPLETE
Appearance and Odor:RED LIQUID W/ODOR OF AMMONIA
Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES
ACID MATERIAL, COPPER, TIN, ZINC, ALUMINUM/ALLOYS, GALVANIZED SURFACES,
DIMETHYL SULFATE, FLUORINE, IODINE & SILVER CPDS
Stability Condition to Avoid:HIGH TEMPERATURE, OPEN FLAME, SUNLIGHT, &
HEAT
Hazardous Decomposition Products:AMMONIA VAPORS

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

Waste Disposal Methods:FOLLOW FEDERAL, STATE, & LOCAL REGULATIONS FOR
PH, NH2 CONTENT & SALTS CONTENT FOR EFFLUENTS. SPILL CAN BE MIXED
W/SAND & THE SAND PLACED IN BARRELS FOR DISPOSAL IN APPROVED DUMP.
ETHYL ALCOHOL IS AN OSHA CLASS 1B FLAMMABLE LIQUID.

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