

# 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 ==

Company Name:LORVIC CORP

Address:8810 FROST AVE

Box:City:ST LOUIS

State:MO

ZIP:63134-1095

Country:US

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 DIGESTIVE TRACT. EYES: LOSS OF VISION, DAMAGES TISSUES.

Explanation of Carcinogenicity:NONE

Effects of Overexposure: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 DIGESTIVE 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 CONTAMINATED 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, CO<sub>2</sub>, 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 DIRECTLY 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, NH<sub>2</sub> 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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