

LUBRICANT, LAP-5-0001-055-0230

MSDS Number

BVHVR

National Stock Number

9150-00N049045

Product Name

LUBRICANT, LAP-5-0001-055-0230

Manufacturer

LAPMASTER INTERNATIONAL

Product Identification

Product ID:LUBRICANT, LAP-5-0001-055-0230

MSDS Date:12/15/1988

FSC:9150

NIIN:00N049045

MSDS Number: BVHVR

Responsible Party

LAPMASTER INTERNATIONAL

6400 OAKTON STREET

MORTON GROVE , IL 60053

US

Emergency Phone: 312-967-2400

Info Phone: 312-967-2400

Cage: LAPMA

Contractor

LAPMASTER INTERNATIONAL

MORTON GROVE, IL 60053

US

312-967-2400; 312-967-2879

Cage: LAPMA

Ingredients

ETHANOL, 2,2'2"-NITRILOTRI-; (TRIETHANOLAMINE)

CAS: 102-71-6

RTECS: KL9275000

OSHA PELN/K

ACGIH TLV: N/K

ETHANOL, 2,2'-IMINODI-; (DIETHANOLAMINE) (SARA III)

CAS: 111-42-2

RTECS: KL2975000

OSHA PEL3 PPM

ACGIH TLV: 3 PPM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

COMMERCIAL GRADE TRIETHANOLAMINE SOLUTIONS OF

RTECS: 9999999ZZ

W/UNPROT SKIN. USE CHEMICAL-RESISTANT

RTECS: 9999999ZZ

AND/OR SHOES IF UNABLE TO COMPLETELY REMOVE PRODUCT.

RTECS: 9999999ZZ

NITROSAMINES, POTENTIAL CARCINOGENS, MAY FORM.

RTECS: 9999999ZZ

CHEMICAL PRODUCT WITH MOUTH. DO NOT TAKE INTERNALLY.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: MAY CAUSE SEV IRRIT SEEN AS REDNESS & SWELLING OF THE CONJUNCTIVE (BASED ON UNNEUTRALIZED COMMERCIAL GRADE TRIETHANOLAMINE). HEATED RESIDUES MAY CAUSE IRRIT. SKIN: MAY CAUSE IRRIT (SEEN AS LOCAL REDNESS) OR DEFATTING ON RPTD/PRLNGD CNTCT. INGEST: MAY CAUSE BURNS OF MOUTH, THROAT, ESOPHAGUS, & (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: STOMACH (BASED ON COMMERCIAL GRADE TRIETHANOLAMINE). SYMPTOMS MAY INCLUDE NAUSEA, VOMITING AND DIARRHEA. IT HAS BEEN REPORTED THAT TRIETHANOLAMINE, IF INGESTED IN LARGE QTY'S, MAY HAVE A TOX EFT ON THE LIVER & KIDNEYS. INHAL: INHAL OF MISTS, OR VAPS MAY CAUSE IRRIT OF THE RESP TRACT. POSS PULM IRRIT(SUPP DATA)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYE: IMMEDIATELY FLUSH W/WATER FOR @ LST 15 MIN & SEEK MED ATTN PROMPTLY. SKIN: PROMPTLY WASH EXPOSED AREA W/SOAP & WATER. IF IRRIT PERSISTS, SEE MD. INGEST: BASED UPON DATA OF VARIOUS COMPONENTS IF CONSCIOUS GIVE 2 GLASSES OF WATER (NEVER GIVE ANYTHING BY MOUTH TO AN UNCON PERSON). DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMED. INHAL: REMOVE TO FRESH AIR. CALL PHYSICIAN.

Fire Fighting

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

Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP . CAUTION: FROTHING MAY OCCUR IF A SOLID STREAM OF WATER OF FOAM IS APPLIED TO HOT BURNING POOLS.(SUPP DATA)

Unusual Fire/Explosion Hazard:DRUM OF CONCENTRATE MAY RUPTURE IN FIRE RELEASING WATER-BASED FLUID.

Accidental Release

Spill Release Procedures:WEAR SUITABLE PROTECTIVE GEAR, CONTAIN SPILL RECOVER FLUID AND RINSE AWAY TRACE QUANTITIES WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:ORDINARY INSIDE FACTORY STORAGE IS SUITABLE; DO NOT STORE OUTSIDE SINCE PRODUCT WOULD FREEZE -- WATER-BASED. KEEP CONTAINERS CLOSED.

Other Precautions:PROVIDE ADEQUATE LOCAL EXHAUST AND/OR GENERAL VENTILATION AND ANY OTHER CONTROL MEASURES NECESSARY TO MINIMIZE VAPORS AND/OR MISTS AND TO CONTROL LIMIT VALUES. NEVER ADD NITRITES OR NITROSATING AGENTS TO THIS PROD BECAUSE (ING 6)

Exposure Controls

Respiratory Protection:AVOID BRTHG VAPS AT ELEVATED TEMPS. AVOID BRTHG MISTS. IF MIST/VAPS OCCUR, WEAR NIOSH/MSHA APPROVD RESP. USE W/ADEQUATE VENTILATION. DO NOT USE IN CONFINED AREAS.

Ventilation:PROVIDE ADEQ LOC EXHST &/OR GEN VENT & ANY OTHER CTRL MEASURES NEC TO MINIMIZE VAP &/OR MIST & TO CONTROL LIMIT VALUE.

Protective Gloves:CHEMICAL-RESISTANT GLOVES.

Eye Protection:ANSI APPROVD CHEM WORKER GOGGLES .

Other Protective Equipment:IF SPLASHING LIKELY, WEAR SHOULDER LENGTH GLOVES OR CHEM-RESISTANT OVERSLEEVES. AVOID PRLNGD/RPTD CNTCT (ING 4)

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. NEVER EAT, SMOKE OR CONSUME BEVERAGES WHILE WORKING W/THE PRODUCT.

Supplemental Safety and Health

PH: 8.4-9.3. FIRE FIGHT PROC: USE WATER SPRAY TO KEEP FIRE-EXPOSED CNTNRS COOL &/OR TO DISPERSE UNIGNITED VAPORS. EFTS OF OVEREXP: & LETHARGY ARE LISTED FOR UNNEUTRALIZED COMMERCIAL GRADE TRIETHANOLAMINE. OTHER: INFORMATION ABOVE IS FOR CONC TRIETHANOLAMINE. THIS PROD CNTNS DILUTED & PARTIALLY NEUT AMTS OF (ING 3)

Chemical Properties

Boiling Pt:B.P. Text:>212F,>100C

Vapor Pres:AS WATER

Vapor Density:AS WATER

Spec Gravity:1-1.1

pH:SUPDAT

Evaporation Rate & Reference:1 (WATER=1)

Solubility in Water:SOLUBLE

Appearance and Odor:PALE RED LIQUID. BLAND ODOR.

Percent Volatiles by Volume:60

Stability

Stability Indicator/Materials to Avoid:YES

AVOID STRONG ACIDS AND STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT.

Hazardous Decomposition Products:COMBUSTION MAY PRODUCE OXIDES OF CARBON AND NITROGEN AND AMMONIA.

Disposal

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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