

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: L1734

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - L1734

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SECTION 1. IDENTITY OF MATERIAL

PRODUCT NAME OF NUMBER: 697-27, REAGENT N

SYNONYMS: DPD

FORMULA:

CAS NUMBER:

CHEMICAL FAMILY:

REGULATED IDENTIFICATION:

DOT PROPER SHIPPING NAME: FLAMMABLE LIQUID N.O.S. (CONTAINS ISOPROPRANO)

SHIPPING ID NUMBER: 1993

UN: NA

EPA HAZARDOUS WASTE ID NUMBER:

Table with 5 columns: HAZARDOUS INGREDIENTS, %, TLV, CAS NO., TXDS. Includes ISOPROPRANOL and ORGANIC INDICATORS.

SECTION 2. HAZARD SPECIFICATIONS

KNOWN HAZARDS UNDER 29 CFR 1910.1200:

COMBUSTIBLE YES NO

FLAMMABLE MATERIAL X

PYROPHORIC MATERIAL

EXPLOSIVE MATERIAL

UNSTABLE MATERIAL

WATER REACTIVE MATERIAL

OXIDIZER

ORGANIC PEROXIDE

CORROSIVE MATERIAL

COMPRESSED GAS

IRRITANT

SKIN HAZARD

EYE HAZARD 1

TOXIC AGENT

HIGHLY TOXIC AGENT

SENSITIZER

CARCINOGEN

REPRODUCTIVE TOXIN

BLOOD TOXIN 1

NERVOUS SYSTEM TOXIN

LUNG TOXIN

LIVER TOXIN

KIDNEY TOXIN

TLV:

PEM

MG/M2

PEL:

PEM

MG/M2

NFPA HAZARD SIGNAL:

HEALTH 1

FLAMMABILITY 2

STABILITY 0

SPECIAL

DOT HAZARD CLASS: FLAMMABLE LIQUID

EPA HAZARD WASTE CLASS:

SECTION 3. SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES:

EYES: COVERALL GOGGLES

RESPIRATORY:

GLOVES: PLASTIC GLOVES

OTHER: IMPERVIOUS APRON

VENTILATION:

LOCAL EXHAUST: PREFERABLE
GENERAL MECHANICAL: ACCEPTABLE

PRECAUTIONS:

HANDLING & STORAGE:
KEEP CONTAINER TIGHTLY CLOSED AWAY FROM SOURCES OF IGNITION.

OTHER: KEEP OUT OF DIRECT SUN & AWAY FROM CHILDREN.

SECTION 4. EMERGENCY RESPONSE DATA

FIRE:

EXTINGUISHING MEDIA:
CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES. ALCOHOL OR POLYMER FOR LARGE FIRES.

SPECIAL PROCEDURES:
ADDITION OF WATER TO BURNING FUEL MAY REDUCE INTENSITY OF FLAME.

UNUSUAL HAZARD:

SPIILLS:

STEPS TO BE TAKEN:
ELIMINATE ALL SOURCES OF IGNITION. FLUSH SPILLED MATERIAL WITH LARGE VOLUME OF WATER.

WASTE DISPOSAL METHOD ADD:
ATOMIZE INTO AN INCINERATOR. COMBUSTION MAY BE IMPROVED BY MIXING WITH A MORE FLAMMABLE SOLVENT. SMALL QUANTITIES MAY BE DILUTED WITH WATER AND WASHED DOWN THE DRAIN.

RQ:

SECTION 5. PHYSICAL HAZARD DATA

FLAMMABILITY:

LFL: %

UFL: %

FLASH POINT:

DEG. F

DEG. C

METHOD USED:

STABILITY:

STABLE (X)

UNSTABLE ()

CONDITIONS TO AVOID: SPARKS, HEART & FIRES

HAZARDOUS DECOMP. POTS.:

HAZARDOUS POLYMERIZATION:

MAY OCCUR ()

WILL NOT OCCUR (X)

CONDITIONS TO AVOID:

INCOMPATIBILITY: MATERIALS TO AVOID

SECTION 6. HEALTH HAZARD DATA

EFFECT OF EXPOSURE:

IRRITATING TO EYES. IF INGESTED CAUSES DRUNKENNESS & VOMITING.

ENTRY ROUTE:

INHALE ()

INGEST (X)

SKIN ()

EYE (X)

EMERGENCY TREATMENT:

IN CASE OF CONTACT, FLUSH SKIN OR EYES WITH PLENTY OF WATER (IF IN EYES FOR AT LEAST 15 MINUTES.) IF SWALLOWED, GIVE MILK OR WATER.

SECTION 7. PHYSICAL AND CHEMICAL PROPERTIES

BOILING PT:

DEG. F

DEG. C

VAPOR DENSITY:

VOLATILE COMPONENTS:

VAPOR PRESS: N/A MMHg

pH: SP. GR. 0.9621

SOLUBILITY IN H2O: COMPLETE

WILL DISSOLVE IN: N/A

EVAPORATION RATE: N/A

APPEARANCE: GREEN BLUE COLOR

ODOR: MILD ALCOHOLIC ODOR

IS MATERIAL:

PASTE ()

POWDER ()

SOLID ()

LIQUID (X)
GAS ()

SECTION 8. MANUFACTURER OR SUPPLIER DATA

ORBECO HELDIGE

ORBECO ANALYTICAL SYSTEMS, INC.
185 MARINE STREET
FARMINGDALE, NY 11735

TEL.: 631-293-4110

NAME (PRINT): JOHN ESPOSITO

SIGNATURE:

TITLE: CHEMIST

DATE: 12/2004

EMERGENCY TELEPHONE NO.: 800-424-9300