

ELECTROLYTE FORMULA 59CL

MSDS Number

BZHPT

National Stock Number

6850-00N065748

Product Name

ELECTROLYTE FORMULA 59CL

Manufacturer

MARKING METHODS INC

Product Identification

Product ID:ELECTROLYTE FORMULA 59CL

MSDS Date:10/01/1990

FSC:6850

NIIN:00N065748

MSDS Number: BZHPT

Responsible Party

MARKING METHODS INC

301 S RAYMOND AVE

ALHAMBRA , CA 91803

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 818-282-8823

Cage: 18675

Contractor

MARKING METHODS INC.

ALHAMBRA, CA 91803-1531

US

626-576-7564

Cage: 18675

Ingredients

MIXED NITRATE SALTS

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

< 50 G/L (EPA METHOD 24)

RTECS: 9999999VO

OSHA PELN/K

ACGIH TLV: N/K

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:INHALATION: NOT EXPECTED TO BE A

SIGNIFICANT ROUTE OF EXPOSURE. SKIN/EYE CONTACT: MAY PRODUCE MILD IRRITATION UPON CONTACT. INGESTION: INGESTION OF LARGE QUANTITIES OF THIS PRODUCT MAY PRODUCE GASTRIC PROBLEMS SUCH AS VOMITING, DIARRHEA AND SYMPTOMS OF CENTRAL NERVOUS SYSTEM TOXICITY. INGESTION OF (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: THIS PRODUCT MAY DECREASE THE ABILITY OF THE BLOOD TO CARRY OXYGEN. CHRONIC: PROLONGED SKIN CONTACT MAY RESULT IN SKIN IRRITATION OR DERMATITIS.

Medical Cond Aggravated by Exposure:NONE KNOWN.

First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. SUPPORT BRTHG (GIVE OXYGEN/ARTF RESP) . EYES: FLUSH IMMED W/CLEAN WATER FOR AT LEAST 15 MIN MAKING SURE TO HOLD EYELIDS OPEN. IF IRRIT PERSISTS, CALL MD. SKIN: WASH AFFECTED AREA W/WATER & SOAP. REMOVE CONTAMD CLTHG. LAUNDER CLTHG BEFORE REUSE. INGEST: GIVE LG QTYS OF COLD WATER OR MILK. CALL MD FOR ADVICE. DO NOT GIVE ANYTHING BY MOUTH TO UNCON PERSON. (SUPDAT)

Fire Fighting

Lower Limits:NON-FLAMM

Upper Limits:NON-FLAMM

Extinguishing Media:APPROPRIATE FOR SURROUNDING MATERIALS.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . IF CONTAINERS CANNOT BE REMOVED FROM FIRE AREA SAFELY, USE WATER MIST TO COOL CONTAINER.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS EXPOSED TO EXREME HEAT MAY RUPTURE DUE TO PRESSURE BUILDUP.

Accidental Release

Spill Release Procedures:REMOVE UNNECESSARY PERSONNEL FROM SPILL SITE. ABSORB WITH SAND, EARTH, KITTY LITTER OR OTHER ABSORBENT MATERIAL AND TRANSFER TO CLOSED CONTAINERS FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE IN COOL, DRY PLACE AWAY FROM COMBUSTIBLES & INCOMPATIBLES. PREVENT PHYSICAL & CHEM DAMAGE TO CONTAINERS. (SEE INCOMPATIBILITY & MATLS TO AVOID).

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:NONE REQUIRED IN NORMAL USE OF PRODUCT. IF WORKING CONDITIONS CREATE HIGH LEVELS OF MIST OR VAPORS, A NIOSH/MSHA APPROVED RESPIRATOR IS RECOMMENDED.

Ventilation:NO SPECIAL VENTILATION IS NORMALLY REQUIRED.

Protective Gloves:RUBBER/NEOPRENE/OTHER IMPERVIOUS GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:THE USE OF PROTECTIVE CLOTHING SUCH AS APRONS, LAB COATS OR UNIFORMS ARE RECOMMENDED.

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING W/PROD. WASH HANDS & LAUNDER CONTAMD CLTHG AFTER HNDLG PRODUCT. (SUPDAT)

Supplemental Safety and Health

FIRST AID PROC: NOTE TO MD:FOLLOW TREATMENT INDICATED FOR ACID SOLN EXPOS. HYGIENE PRACTS: AVOID SKIN CONTACT; WASH EXPOSED SKIN AS NEEDED.

Chemical Properties

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

Vapor Pres:23.7 PSI

Vapor Density:HVR/AIR

Spec Gravity:1.03 (H*20=1)

pH:8.5-9

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR LIQUID WITH SLIGHT ODOR.

Stability

Stability Indicator/Materials to Avoid: YES

REDUCING AGENTS, COMBUSTIBLES, ORGANIC MATERIAL.

Stability Condition to Avoid: AVOID OVERHEATING & CONCENTRATING BY BOILING. IF SOLUTION DRIES, AVOID OPEN FLAME, SOURCES OF HEAT AND SPARKS.

Hazardous Decomposition Products: ALTHOUGH PROD IS NON-FLAM THERMAL DECOMP DUE TO FIRE MAY RELS IRRIT & NOXIOUS GASES SUCH AS OXIDES OF NITROGEN & CARBON.

Disposal

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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