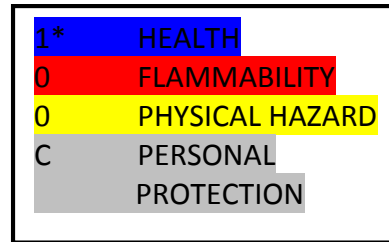


Martronics Corporation  
PO Box 200 Salkum, WA 98582  
Tel. 360-985-2999



**SAFETY DATA SHEET**

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT IDENTIFIER  
**ALUMINUM ELECTROLYTE**  
PRODUCT USE

ELECTROLYTIC / ELECTROCHEMICAL METAL INSCRIPTION  
MANUFACTURER'S NAME

**MARTRONICS CORPORATION**  
STREET ADDRESS

**500 WILCOX RD**  
CITY STATE

**SALKUM**  
POSTAL CODE **98582**

**WA**  
EMERGENCY TELEPHONE **1-800-775-0797**

DATE MSDS PREPARED  
**01-Dec.-18**

MSDS PREPARED BY  
**BRETA FAUSSETT**

PHONE NUMBER  
**360-985-2999**

**SECTION 2 – HAZARDOUS IDENTIFICATION**

2.1 Classification of substance or Mixture: Not Classified

**SIGNAL WORD: WARNING**



2.2 Labeling Elements **WARNING**

2.3 Other Hazards listed below

**H316 MAY CAUSE SKIN IRRITATION**

**H320 MAY CAUSE EYE IRRITATION**

**H413: HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECT IN THE AQUATIC ENVIRONMENT**

**EMERGENCY OVERVIEW**

ACUTE EXPOSURE MAY CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY SYSTEM. ORAL TOXICITY OF COMPONENTS IS LOW TO MODERATE.

**2.4 Precautionary Statements:**

Prevention: P280 - Wear protective gloves. Wear eye or face protection P264 – Wash hands thoroughly after handling

Response: P302+P352 + P362-2+ P363 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS NUMBER	%
CALCIUM CHLORIDE	10043.52-4	1-5
SODIUM CHLORIDE	7647-14-5	1-5
CITRIC ACID	77-92-9	1-5
COBALT NITRATE	10141-05-06	1-5
POTASSIUM THIOCYANATE	333-20-0	1-5

**EXACT PERCENTAGE (CONCENTRATION) OF THE COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET IN ACCORDANCE WITH 29 CFR 1910.1200 OR IS DUE TO BATCH VARIATION. THERE ARE NO ADDITIONAL INGREDIENTS PRESENT WHICH, WITHIN THE CURRENT KNOWLEDGE OF THE SUPPLIER AND IN THE CONCENTRATIONS APPLICABLE, ARE CLASSIFIED AS HAZARDOUS TO HEALTH OR THE ENVIRONMENT AND HENCE REQUIRE REPORTING IN THIS SECTION.**

**SECTION 4 - FIRST AID MEASURES**

**SKIN CONTACT**

**IN CASE OF CONTACT IMMEDIATELY FLUSH WITH WATER. CALL A PHYSICIAN IF IRRITATION CONTINUES.**

**EYE CONTACT**

**FLUSH WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART. CALL A PHYSICIAN IF IRRITATION CONTINUES.**

**INHALATION**

**SEEK FRESH AIR.**

**INGESTION**

**IF SWALLOWED, IF CONSCIOUS, IMMEDIATELY GIVE LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.**

**SECTION 5 - FIRE FIGHTING MEASURES**

FLAMMABLE

IF YES, UNDER WHAT CONDITIONS?

YES

NO X

NOT APPLICABLE

FLASHPOINT °(C) AND METHOD

UPPER FLAMMABLE LIMIT (% BY VOLUME)

LOWER FLAMMABLE LIMIT (% BY VOLUME)

NON COMBUSTIBLE

NOT AVAILABLE

NOT AVAILABLE

AUTOIGNITION TEMPERATURE

EXPLOSION DATA - SENSITIVITY TO IMPACT

EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

HAZARDOUS COMBUSTION PRODUCTS

TOXIC GASES MAY BE PRODUCED.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

LEAK AND SPILL PROCEDURE

WEAR SUITABLE PROTECTIVE CLOTHING. ABSORB WITH VERMICULITE, PAPER, ETC. AND REMOVE. FLUSH AREA WITH WATER.

**SECTION 7 – HANDLING AND STORAGE**

HANDLING PROCEDURES AND EQUIPMENT

AVOID CONTACT WITH THE SKIN. WEAR PROPER PROTECTIVE EQUIPMENT. DO NOT BREATHE VAPOR / AEROSOL.

STORAGE REQUIREMENTS

KEEP CONTAINER CLOSED TO AVOID EVAPORATION. KEEP FROM FREEZING. STORE IN COOL DRY PLACE, OUT OF DIRECT SUNLIGHT.

**SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION**

EXPOSURE LIMITS

NONE

SPECIFIC ENGINEERING CONTROLS

LOCAL EXHAUST

PERSONAL PROTECTIVE EQUIPMENT

GLOVES X

RESPIRATOR

EYE X

FOOTWEAR

CLOTHING X

OTHER

IF CHECKED, PLEASE SPECIFY TYPE

NEOPRENE GLOVES AND UNIFORM OR APRON ARE RECOMMENDED. SAFETY GLASSES OR GOGGLES. SAFETY SHOWER / EYE WASH.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE

APPEARANCE

ODOR

LIQUID

PURPLE

SLIGHT

SPECIFIC GRAVITY

VAPOR DENSITY

VAPOR PRESSURE

1.054

NOT AVAILABLE

NOT AVAILABLE

EVAPORATION RATE

BOILING POINT

FREEZING POINT

NOT AVAILABLE

UNKOWN: > 100°C

NOT AVAILABLE

PH

COEFFICIENT OF WATER/OIL DISTRIBUTION

SOLUBILITY IN WATER

NOT AVAILABLE

NOT AVAILABLE

MISCIBLE

**SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY

IF NO, UNDER WHAT CONDITIONS?

STABLE

NOT APPLICABLE

INCOMPATIBILITY WITH OTHER SUBSTANCES

IF YES, WHICH ONES?

YES

AVOID CONTACT WITH STRONG MINERAL ACIDS.

REACTIVITY, AND UNDER WHAT CONDITIONS?

NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS

NONE

**SECTION 11 - TOXICOLOGICAL INFORMATION**

EFFECTS OF ACUTE EXPOSURE

IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM.

EFFECTS OF CHRONIC EXPOSURE

NONE

SKIN SENSITIZATION

NO DATA AVAILABLE

CARCINOGENICITY - IARC

NO DATA AVAILABLE

REPRODUCTIVE TOXICITY

NO DATA AVAILABLE

EMBRYOTOXICITY

NO DATA AVAILABLE

NAME OF SYNERGISTIC PRODUCTS/EFFECTS

NO DATA AVAILABLE

RESPIRATORY SENSITIZATION

NO DATA AVAILABLE

CARCINOGENICITY - ACGIH

NO DATA AVAILABLE

TERATOGENICITY

NO DATA AVAILABLE

MUTAGENICITY

NO DATA AVAILABLE

**SECTION 12 - ECOLOGICAL INFORMATION**

AQUATIC TOXICITY

MARTRONICS CORPORATION HAS NOT CONDUCTED SPECIFIC STUDIES ON THE ECOLOGICAL TOXICITY OR ENVIRONMENTAL FATE OF THIS PRODUCT.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

**SECTION 14 - TRANSPORT INFORMATION**

SPECIAL SHIPPING INFORMATION

NONE

TDG

NOT APPLICABLE

IMO

NOT APPLICABLE

PIN

NOT APPLICABLE

DOT

NOT APPLICABLE

ICAO

NOT APPLICABLE

**SECTION 15 - REGULATORY INFORMATION**

WHMIS CLASSIFICATION

NOT APPLICABLE

SERA

NOT APPLICABLE

OSHA

YES, BUT ONLY AS DRY COMPONENT

TSCA

NOT APPLICABLE

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH ALL THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY CPR.

**SECTION 16 - OTHER INFORMATION**

MARTRONICS CORPORATION. RECOMMENDS THAT ALL EMPLOYERS DEVELOP, IMPLEMENT, AND TRAIN ALL EMPLOYEES IN PROPER WORKPLACE SAFETY PROCEDURES AND PRACTICES CONTAINED IN OSHA 29 CFR PART 1910 (OCCUPATIONAL SAFETY AND HEALTH STANDARDS)