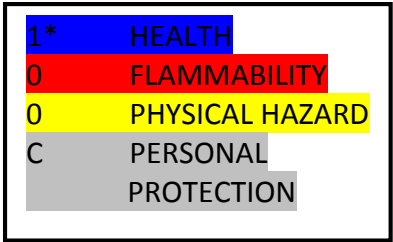


Martronics Corporation
PO Box 200 Salkum, WA 98582
Tel. 360-985-2999



SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER
GENERALPURPOSE ELECTROLYTE
PRODUCT USE

ELECTROLYTIC / ELECTROCHEMICAL METAL INSCRIPTION
MANUFACTURER'S NAME

MARTRONICS CORPORATION
STREET ADDRESS

500 WILCOX RD
CITY STATE

SALKUM WA
POSTAL CODE 98582 EMERGENCY TELEPHONE 1-800-775-0797

DATE MSDS PREPARED 14-07/2018
MSDS PREPARED BY BRETA FAUSSETT
PHONE NUMBER 360-985-2999

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

% BY VOLUME	CAS NUMBER	LC50 OF INGREDIENT (SPECIFY SPECIES)	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	HAZARDOUS INGREDIENTS (SPECIFIC)
< 1	10141-05-6	1620 mg/kg RAT / ORAL	COBALT NITRATE	NOT AVAILABLE
< 1	10043-52-4	NOT AVAILABLE	CALCIUM CHLORIDE	NOT AVAILABLE
<1	7647-14-5	NOT AVAILABLE	RAT/ORAL	SODIUM CHLORIDE
<1	77-92-9	NOT AVAILABLE	RAT/ORAL	CITRIC ACID

SECTION 3 - HAZARDS IDENTIFICATION

ROUTE OF ENTRY
INGESTION X SKIN CONTACT X EYE CONTACT X INHALATION X SKIN ABSORPTION

EMERGENCY OVERVIEW
ACUTE EXPOSURE MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY SYSTEM.

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	NOT APPLICABLE
FLASHPOINT °(C) AND METHOD	LOWER FLAMMABLE LIMIT (% BY VOLUME)
NON COMBUSTIBLE	NOT AVAILABLE
AUTOIGNITION TEMPERATURE	EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE
NOT AVAILABLE	NOT AVAILABLE
HAZARDOUS COMBUSITION 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
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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

LIQUID

APPEARANCE

PINK, CLEAR

ODOR

SLIGHT

SPECIFIC GRAVITY

1.054

VAPOR DENSITY

NOT AVAILABLE

VAPOR PRESSURE

NOT AVAILABLE

EVAPORATION RATE

NOT AVAILABLE

BOILING POINT

UNKNOWN: > 100°C

FREEZING POINT

NOT AVAILABLE

PH

NOT AVAILABLE

COEFFICIENT OF WATER/OIL DISTRIBUTION

NOT AVAILABLE

SOLUBILITY IN WATER

MISCIBLE

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY

STABLE

IF NO, UNDER WHAT CONDITIONS?

NOT APPLICABLE

INCOMPATIBILITY WITH OTHER SUBSTANCES

YES

IF YES, WHICH ONES?

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

RESPIRATORY SENSITIZATION

NO DATA AVAILABLE

CARCINOGENICITY - IARC

NO DATA AVAILABLE

CARCINOGENICITY - ACGIH

NO DATA AVAILABLE

REPRODUCTIVE TOXICITY

NO DATA AVAILABLE

TERATOGENICITY

NO DATA AVAILABLE

EMBRYOTOXICITY

NO DATA AVAILABLE

MUTAGENICITY

NO DATA AVAILABLE

NAME OF SYNERGISTIC PRODUCTS/EFFECTS

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

PIN

NOT APPLICABLE

TDG

NOT APPLICABLE

DOT

NOT APPLICABLE

IMO

NOT APPLICABLE

ICAO

NOT APPLICABLE

SECTION 15 - REGULATORY INFORMATION

WHMIS CLASSIFICATION

NOT APPLICABLE

OSHA

YES, BUT ONLY AS DRY COMPONENT

SERA

NOT APPLICABLE

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)