Safety Data Sheet

ISSUE DATE: September 2013 **REVISION DATE:** January 2022 **VERSION:** 1

1. IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME MULTI-CHLOR

OTHER MEANS OF IDENTIFICATION

Recommended Uses Hard surface cleaner
Restrictions on Use None known

SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS
E-ZOIL Products, Inc.
DBA Emulso
2750 Kenmore Avenue
Tonawanda, NY 14150

EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889
COMPANY FAX NUMBER (716) 854-2809
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)
NORTH AMERICA 1-800-633-8253
INTERNATIONAL PERS 1-801-629-0667

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment, long-term hazard	Category 2

SIGNAL WORD Danger

HAZARD STATEMENTS

HAZARD STATEMENTS

1. May be corrosive to metals
2. Causes severe skin burns and eye damage
3. May cause respiratory irritation.
4. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

APPEARANCE Liquid **PHYSICAL STATE** Liquid

PRECAUTIONARY STATEMENTS	
PREVENTION	Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Keep only in original container. Avoid release to the environment.
RESPONSE	Immediately call poison center or doctor/ physician.
IF SWALLOWED	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention.
IF ON SKIN/HAIR	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a poison center or doctor/physician if you feel unwell.
IF EXPOSED/CONCERNED	Get medical advice/ attention.
STORAGE	Store locked-up. Keep away from children. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant container with a resistant inner liner.
DISPOSAL	Dispose of contents/container in accordance with local/regional/national/international regulations.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	None known.
OTHER INFORMATION	Contact with acids liberates toxic gas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Sodium hypochlorite	7681-52-9	5-17
Sodium hydroxide	1310-73-2	0.10-4.25

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	Provide this SDS to medical personnel for treatment.
EYE CONTACT	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
SKIN CONTACT	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
INHALATION	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
INGESTION	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

POTENTIAL ACUTE HEALTH EFFECTS

Most important symptoms and effects, both acute and delayed

SYMPTOMS	Permanent eye damage including blindness could result.
NOTES TO PHYSICIAN	Treat symptomatically

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
UNSUITABLE EXTINGUISHING MEDIA	Do not use water jet as an extinguisher, as this will spread the fire. Do not use dry extinguishing media that contains ammonium compounds.
SPECIFIC HAZARDS ARISING FROM CHEMICAL	During fire, gases hazardous to health may be formed.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS Use personal protective equipment as required.

ENVIRONMENTAL PRECAUTIONS See Section 12 for additional Ecological Information.

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

CONTAMINATION Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

CLEAN-UP Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES Wear appropriate personal protective equipment. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Observe good industrial hygiene practices. Do not apply heat or direct sunlight. Temperature and product concentration affect product quality and decomposition rates.

CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

STORAGE CONDITIONS Keep container tightly closed. Store in a cool and well-ventilated place. Store in a corrosive resistant container. Consult container manufacturer for additional guidance. Store away from and do not mix with incompatible materials such as acids, oxidizers, organics, reducing agents, and all metals except titanium.

INCOMPATIBLE MATERIALS Acids, oxidizers, organics, reducing agents, and all metals except titanium.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hypochlorite **7681-52-9**	STEL: 2 mg/m	STEL: 2 mg/m	STEL: 2 mg/m
Sodium hydroxide **1310-73-2**	CEILING: 2 mg/m	PEL: 2 mg/m	CEILING: 2 mg/m

ENGINEERING CONTROLS: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION	Refer to 29 CFR 1910.133 for eye and face protection regulations.
SKIN/BODY PROTECTION	Refer to 29 CFR 1910.138 for appropriate skin and body protection.
RESPIRATORY PROTECTION	Refer to 29 CFR 1910.134 for respiratory protection requirements.
GENERAL HYGIENE	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPERANCE	Liquid
COLOR	Not determined
ODOR	Pungent
ODOR THRESHOLD	0.9 mg/m³
pH	12 - 14 (25 °C/77 °F)
MELTING POINT/FREEZING POINT	-4 °F (-20 °C) (7% solution)
BOILING POINT/BOILING RANGE	Not determined
FLASH POINT	Not determined
EVAPORATION RATE	Not determined
FLAMMABILITY (SOLID, GAS)	Not determined
UPPER FLAMMABILITY LIMITS	Not determined
LOWER FLAMMABILITY LIMITS	Not determined
VAPOR PRESSURE	12 mm Hg (20°C/68°F)
SPECIFIC GRAVITY	Not determined
RELATIVE DENSITY	Not determined
WATER SOLUBILITY	Completely miscible
PARTITION COEFFICIENT	Not determined
N-OCTANOL/ WATER	Not determined
AUTO-IGNITION TEMPERATURE	Not determined
DECOMPOSITION TEMPERATURE	Not determined
VISCOSITY	Not determined

10. STABILITY AND REACTIVITY

REACTIVITY Not reactive under normal conditions

CHEMICAL STABILITY	Stable under recommended storage conditions
POSSIBILITY OF HAZARDOUS REACTIONS	None under normal processing
CONDITIONS TO AVOID	Keep out of reach of children. Contact with incompatible materials. Avoid ultraviolet (UV) light sources. Excessive heat. Reacts violently with strong acids. Acid contact will produce chlorine gas. Amine contact will produce chloramines.
INCOMPATIBLE MATERIALS	Strong oxidizing agents. Acids. Metals. Organic compounds. Ammonia.
HAZARDOUS DECOMPOSITION PRODUCTS	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

EYE CONTACT	Causes eye burns.
SKIN CONTACT	Causes skin burns.
INHALATION	Vapors and spray mist may irritate throat and respiratory system and cause coughing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
INGESTION	Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Sodium hydrochlorite **7681-52-9**	3-5 g/kg (Rat)	>2 g/kg (Rabbit)	-

SYMPTOMS Please see section 4 of this SDS for symptoms.

CARCINOGENICITY This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

NUMERICAL MEASURES OF TOXICITY-PRODUCT Not determined.

12. ECOLOGICAL INFORMATION

ECOTOXICITY Harmful to aquatic life with long lasting effects.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	TOXIC TO MICROORGANISMS	CRUSTACEA
Sodium hydrochlorite **7681-52-9**	-	LC50: Bluegill (Lepomis macrochirus) 0.6 mg/l, 48 hours	-	LC50: Daphnia 1 mg/l

PERSISTENCE AND DEGRADABILITY	Not determined
BIOACCUMULATION	Not determined
OTHER ADVERSE EFFECTS	Not determined

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE DISPOSAL	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
CONTAMINATED PACKAGING	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT

UN Number	UN1791
UN Proper Shipping Name	Hypochlorite solution
Transport Hazard Class	8
Packing Group	III

IATA

UN Number	UN1791
UN Proper Shipping Name	Hypochlorite solution
Transport Hazard Class	8
Packing Group	III

IMDG

UN Number	UN1791
UN Proper Shipping Name	Hypochlorite solution
Transport Hazard Class	8
Packing Group	III

15. REGULATORY INFORMATION

LEGEND

TSCA United States Toxic Substances Control Act Section 8(B) Inventory

U.S. FEDERAL REGULATIONS

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide **1310-73-2**			
Sodium hydrochlorite **7681-52-9**			

SARA 313/312 HAZARD CATEGORIES

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CLEAN WATER ACT (CWA)

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. STATE REGULATIONS

U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Sodium hydroxide **1310-73-2**	X	X	X
Sodium hydrochlorite **7681-52-9**	X	X	X

16. OTHER INFORMATION

	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
NFPA	3	Not determined	Not determined	Not determined

	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
HMIS	3	Not determined	1	Not determined

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET