MARTRON INC.
SAFETY DATA SHEET
MARTRON MTC POST DIP-5

SECTION 1 – PRODUCT and COMPANY IDENTIFICATION

Product Name:	**MARTRON MTC POST DIP-5**
Product Code:	**MFC-007532**
Chemical Family Name:	Mixture
U.N. Dangerous Goods Class:	Corrosive Liquid, N.O.S., (Dialkyldimethylammonium bicarbonate / carbonate), 8, UN#1760
Supplier/Manufacturer's Name:	**MARTRON INC.**
Address:	1394-A Walkup Ave. Monroe, NC 28110
Business Phone:	704-289-1934
Business Fax:	704-283-7400
Website:	www.martroninc.com
Emergency Phone:	**800-424-9300 Chemtrec**
Date of Preparation:	March 7, 2016
Date of Last Revision:	New

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
Product Description:
This product is a colorless to pale yellow liquid with a slight odor.
Exposure to this product may cause skin, eye and respiratory irritation. Ingestion may cause nausea, Diarrhea and gastrointestinal discomfort.
Flammability Hazard:
This product is Non-Flammable
Reactivity Hazard:
None Known
Environmental Hazard:
May be harmful to aquatic life if released into the environment.
Emergency Considerations:
Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

None

CANADA (WHIMS) SYMBOLS

EUEROPEAN and (GHS) HAZARD

Signal Word:
Danger!

GHS LABELING AND CLASSIFICATION:
CLASSIFICATION OF SUBSTAND OR MIXTURE IN ACCORDANCE WITH 29 CRF 1200 (OSHA HCS) AND THE ERUOPEAN UNION DIRECTIVES:
This product does meet the definition of a hazardous substance or preparation as defined by 29 CRF 1910. 1200 and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Classification substance or mixture according to Regulations (EC) No 1272/2008 Annex V1 EC# 231-791-2 This substance is not classified in the Annex VI of Directive 67/548/EEC. Substances not listed either individually or in group entries must be self-classified.

GHS Hazard Classification(s):
Acute Oral Toxicity (Category 3)
Acute aquatic Toxicity (Category 3)
Severe Eye damage (Category 1)
Chronic aquatic toxicity (Category1)

Hazard Statements:
H302: Harmful if swallowed.
H319: Causes severe eye irritation.
H410: Harmful to aquatic life with long lasting effects.

Precautionary Statements:
P260: Do not breath dust/fumes/gas/mist/vapors/spray.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye/protection face/protection.
P301 + P312 +P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/:
[Xn] Harmful [Xi] Irritant

Risk Phrases:
R20: Harmful by inhalation.
R22: Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin

Safety Phrases:
S24/25 Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46: If swallowed, seek medical advice immediately and show container or label.

HEALTH HAZARD OR RISKS FROM EXPOSURE
ACUTE:
EYE CONTACT:
Eye exposure may produce diffused or localized blood vessels clots and accumulation of fluid in the eye. Softening, sloughing, and ulcerations of the cornea may occur. Ulcerations may continue to progress for many days. Sever injury may lead to clouding of the eye surface and blindness.
SKIN CONTACT:
Can be moderately corrosive. Contact may not cause symptoms for several hours
INHALATION HAZARD:
May be irritating to the respiratory tract. Swelling or spasms of the layers leading to the upper airway obstruction and asphyxia can occur after high-dose inhalation. Inflammation of the lungs and accumulation of fluid in the lungs may also occur. Continued exposure may destroy nose septum.
INGESTION HAZARD:
Can cause spontaneous vomiting, chest and abdominal pain, and difficulty swallowing with drooling. Corrosive injury to the mouth, throat, esophagus, and stomach may result in perforation, hemorrhage and narrowing of the gastrointestinal track. Material may cause death if ingested in moderate amounts and left untreated.

TARGET ORGANS:
ACUTE: Eye, respiratory System, Skin
CHRONIC Eye, respiratory System, Skin.

CHRONIC:
Eye, respiratory System

SECTION 3 - COMPOSTION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION RISK PHRASES
Water	7732-18-5	231-791-2	Not Listed	60-80%	HAZARD CLASSIFICATION: None RISK PHRASES: None
N.N-Dialkyldimethylammonium carbonate	Proprietary	Not Listed	Not Listed	1-20%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R20
Nm,N-Dialkyl dimethylammonium bicarbonate	Proprietary	Not Listed	Not Listed	1-20%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36/38
Balance of other ingredients are non-hazardous or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE:
ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:
If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek immediate Medical attention.
SKIN CONTACT:
Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.
INHALATION:
If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.
INGESTION:
If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, who cannot swallow. Seek medical advice. Take a copy of the label or SDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
Pre-existing skin, or respiratory system
RECOMMENDATIONS TO PHYSICIANS:
Treat symptoms and reduce over-exposure.

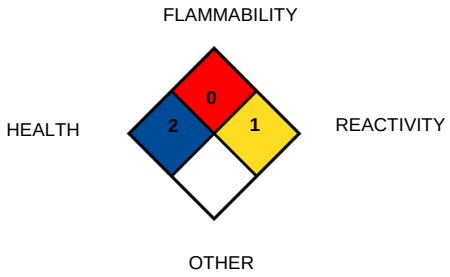
SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT:
Non-Flammable
AUTOIGNITION TEMPERATURE:
N/A
FLAMMABLE LIMITS (in air by volume, %):
Lower (LEL): N/A
Upper (UEL): N/A
FIRE EXTINGUSHING MATERIALS:
Use media suitable for surrounding area. Carbon dioxide, foam dry chemical, halon, water spray.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None known
Explosion Sensitivity to Mechanical Impact:
Not Sensitive

Explosion Sensitivity to Static Discharge:
Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES:
Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate material not yet involved in the fire and protect personnel. Move containers from fire area if it this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

Hazard Scale: **0** = Minimal **1** = Slight **2** = Moderate **3** = Serious **4** = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE:
Personnel should be trained for spills response operations.
SPILLS:
SMALL SPILLS:
Absorb material with rags, floor absorbent, vermiculite, or other absorbent material and transfer to an appropriate container.
LARGE SPILLS:
Dike the area of the spill to prevent spreading. The material may then be taken up with vacuum or absorbent material and transferred to appropriate containers.
Notify proper authorities if required by local, state or federal regulations.
Dispose of in accordance with applicable Federal, State and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES:
As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Remove contaminated clothing immediately.
STORAGE AND HANDLING PRACTICES:
Store in a cool place in original container and protect from sunlight. For storage and usage, it is important to take a special notice of the shelf life of this product which is provided on the Cert. of Analysis. Store above 35°F and below 130°F away from direct sunlight.

SECTION 8 - EXPOSURE CONTROLS and PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

HAZARDOUS INGREDIENTS	CAS #	ACHIH TWA	OSHA TWA	WEEL
Water	7732-18-5	Not listed	Not listed	Not listed
N.N-Dialkyldimethylammonium carbonate	Proprietary	10 mg/m^3	5 mg/m^3	10 mg/m^3
N.N-Dialkyldimethylammonium bicarbonate	Proprietary	Not listed	Not listed	Not listed

Currently, International exposure limits are not established for the components of this product Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS:
Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29DFR Subpart I(beginning at 1910. 132) or equivalent standard of Canada, or standards of EU member states (including EN149 for respiratory PPE, EN166 for face/eye protection) and those of Japan Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION:
Maintain airborne contaminant concentrations below guidelines listed above, if applicable.
If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CRF 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION:
Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CRF 1910,133 or appropriate Canadian Standards.

HAND PROTECTION:
Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION:
Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standard, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	Colorless to pale yellow liquid with a slight odor
ODOR THRESHOLD (PPM):	Amine like
VAPOR PRESSURE (mmHg):	Not Available
VAPOR DENSITY:	Heavier than air
EVAPORTION RATE (nBuAc=1):	< 1
BOILING POINT (C°):	95°C - 105°C (203° F - 221°F)
FREEZING POINT(C°C):	Not Available
pH:	< 10.0
SPECIFIC GRAVITY 20°C: (WATER=1):	1.000
SOLUBILITY IN WATER (%):	Complete
% VOLATILE WEIGHT:	Not Available

SECTION 10 - STABILITY and REACTIVITY

STABILITY:
Product is stable
DECOMPOSITION PRODUCTS:
When heated to decomposition this product produces oxides of sulfur, nitrogen and bromine gas
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATABLE:
Oxidizers, strong acids and bases.
HAZARDOUS POLYMERIZATION:
Will not occur.
CONDITIONS TO AVOID:
Bromine gas is liberated when exposed to strong acids

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA:
Toxicity data is available for this product

CAS # 12124-97-9:	CAS# 894406-76-9
Oral, rat: LD50 = 2715 mg/kg	Oral, rat: LD50 = 245 mg/kg

SUSPECTED CANCER AGENT:
None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.
IRRITANCY OF PRODUCT:
Contact with this product can be irritating to exposed skin, eyes and respiratory system.
SENSITIZATION OF PRODUCT:
This product is not considered a skin sensitizer.
REPRODUCTIVE TOXICITY INFORMATON:
No information concerning the effect of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ENVIRONMENTAL STABILITY:
No specific data is available for this product; however, this product should be considered as having possible adverse effects to the environment.
EFFECT OF MATERIAL ON PLANTS or ANIMALS:
No evidence is currently available on this product's effects on plants or animals.
EFFECT OF CHEMCIAL ON AQUATIC LIFE:
Harmful to aquatic life.

SECTION 13 - DISPOSAL CONSIDERATATIONS

PREPARING WASTE FOR DISPOSAL:
Waste disposal must be in accordance with appropriate Federal, State and local regulations, those of Canada, Australia, EU Member State and Japan.
RCRA WASTE CODE:
Not known- Dependent on use and contamination
EU WASTE CODE:
Not known –Dependent on use and contamination

SECTION 14 - TRANSPORTATION INFORMATION

US DOT: IATA: IMDG:
THIS PRODUCT IS CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S DEPARMTNENT OF TRANSPORTATION.

PROPER SHIPPING NAME:	Corrosive liquid, N.O.S., (Dialkyldimethylammonium bicarbonate/carbonate), 8
HAZARD CLASS NUMBER & DESCRIPTION:	UN#1760
IDENTIFICATION NUMBER:	None
PACKING GROUP:	PG III
DOT LABEL(S) REQUIRED:	8

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): 151

IATA

PROPER SHIPPING NAME:	Corrosive liquid, N.O.S., (Dialkyldimethylammonium bicarbonate/carbonate), 8
HAZARD CLASS NUMBER & DESCRIPTION:	UN#1760
IDENTIFICATION NUMBER:	None
PACKING GROUP:	PG III
DOT LABEL(S) REQUIRED:	8
Packing Instruction (Cargo):	820
Packing Instruction (passenger):	818

IMDG-CODE.

PROPER SHIPPING NAME:	Corrosive liquid, N.O.S., (Dialkyldimethylammonium bicarbonate/carbonate), 8
HAZARD CLASS NUMBER & DESCRIPTION:	UN#1760
IDENTIFICATION NUMBER:	None
PACKING GROUP:	PG III
DOT LABEL(S) REQUIRED:	8
EmS Number 1:	F-A
EmS Number 2:	S-B
MARINE POLLUTANT:	Yes

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS:
SARA REPORTING REQUIREMENTS:
This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:

SARA 302 TPQ:	None
SARA 304	None
SARA 313	Aqueous Ammonia from water dissociable ammonia salts; Methanol

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:
Acute Health: Yes Chronic Health: Yes Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY:
There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ):
RQ 5,000lb exceeds threshold

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):
NONE of the ingredients is on the California Proposition 65 lists.

WARNING!
This product does NOT contain an ingredient known to the State of California to cause cancer or reproductive harm.

CANADIAN REGULATIONS:
CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:
No component of this product is on the CEPA First Priorities Substance Lists.
CANADIAN WHMIS CLASSIFICATION and SYMBOLS:
This product is categorized as a Class D Division 2B Material causing other toxic effects and Class E Corrosive materials, as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:
EU LABELING AND CLASSIFICATION:
Classification of the mixture according to Regulation (EC) No1272/2008. See Section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:
AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:
All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:
Not applicable

JAPANESE INFORMATION FOR PRODUCT:
JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:
The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:
Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory if Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

Disclaimer:
The suggestions and data provided herewith are based upon tests which ***Martron Inc***. believes to be reliable. However, we make no guarantee with respect thereto and assume no liability resulting from the use thereof. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Furthermore, nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.

June 2015