1. Section 1 – Identification

PRODUCT NAME: 3104, 3060 SPA DEMINERALIZER
CHEMICAL NAMES: Ethylenediaminetracetric Acid Tetrasodium Salt, Tetrasodium EDTA, Solution containing trace Sodium Hydroxide
CHEMICAL FORMULA: Aminocarboxylic acid salt
DESCRIPTION: light yellow liquid with slight amine odor.
CAS NO: Mixture: Tetrasodium EDTA 64-02-8

Manufacturer: Qualco, Inc.
Address: 225 Passaic Street
Passaic, NJ 07055

Phone No.: 973-473-1222
Fax No.: 973-473-0535
Emergency: 1-800-424-9300 (Chemtrec)

Section 2 – Hazards Identification

Quaternary Ammonium Compound Blend:
UN: 1993
Hazchem: 2 Z
Corrosive, Flammable

Section 3 – Composition/Information on Ingredients

PROPRIETARY INFORMATION

INGREDIENT	UN NO.
Quaternary Ammonium Compound Blend	1993
Ethanol/Isopropanol	

This product is a 50% solution of the above

Section 4 – First Aid Measures

EYES: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
SKIN CONTACT: Wash skin with plenty of water.
INHALATION: Move person to fresh air; if effects occur, consult a physician.
INGESTION: Do not induce vomiting. Give one cup (8 ounces or 240 ml) of water milk if available and transport to a medical facility. Do not give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN: Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5 – Fire Fighting Measures

FLAMMABLE PROPERTIES
FLASHPOINT; Not Combustible
METHOD USED: Not applicable

FLAMMABLE LIMITS
LFL: Not applicable
UFL: Not applicable

EXTINGUISHING MEDIA: To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.
FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire and deny unnecessary entry. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is

likely, change to full chemical resistant fire chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post fire or non-fire clean up situations, refer to the relevant sections.
UNUSUAL FIRE AND EXPLOSION HAZARDS: This material will not burn until the water has evaporated. Residue can burn.
HAZARDOUS COMBUSTN PRODUCTS: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and or irritating compounds. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.

Section 6 – Accidental Release Measures

Contain spilled material if possible. Absorb with materials such as dirt and sand. Collect in suitable and properly labeled containers See Section 13 Disposal Considerations, for additional information.
PERSONAL PRECAUTIONS: Evacuate area. Keep upwind of spill. Ventilate area of leak or spill. Only trained and properly protected personnel must be involved in clean-up operations. Use appropriate safety equipment. Or additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.
ENVIRONMENTAL PRECAUTIONS: Prevent from entering nto soil, ditches, sewers, waterways and or groundwater. See Section 12, Ecological Information.

Section 7 – Handling and Storage

GENERAL HANDLING: Do not get in eyes. Do not swallow. Avoid breathing mist. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. See Section 8, Exposure Controls and Personal Protection.
STORTAGE: Store in accordance with good manufacturing practices. Do not store in Aluminum, Carbon Steel, Copper, Zinc and Nickel. Storage temperature: -18C to 49C

Section 8 – Exposure Controls/Personal Protection

EXPOSURE LIMITS:
PERSONAL PROTECTION:
EYE/FACE: Use chemical goggles. Eye wash fountain should be located in immediate work area.
SKIN: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.
HAND: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber, polyethylene, neoprene, natural rubber, latex, polyvinyl chloride (PVC), nitrile/butadiene rubber, ethyl vinyl alcohol laminate. Avoid gloves made of polyvinyl alcohol (PVA) Notice: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as but not limited to: other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.
RESPIRATORY: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. In duty or misty atmospheres, use an approve particulate respirator. The following should be effective types of airpurifying
respirators: Particulate filter.
INGESTION: Avoid ingestion of even very small amounts, do not consume or store food or tobacco in the work area, wash hands and face before smoking or eating.
ENGINEERING CONTROLS:
VENTILATIONS: Provide general or local exhaust ventilation to control airborne levels below the exposure guidelines.

Section 9 – Physical and Chemical Properties

APPEARANCE: White crystalline powder
PHYSICAL STATE: Solid
VAPOR PRESSURE: N/A
BOILING POINT: N/A
SOLUBILITY IN WATER: 8.6g/100ml @ 20C
% VOC'S: N/A
ODOR: None
pH (1% solution): 8.2
VAPOR DENSITY: N/A
MELTING POINT: N/A
BULK DESITY: 62lbs/cu. Ft
MOLECULAR WEIGHT: 84.02

Section 10 – Stability and Reactivity

CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Temperatures above 65 degrees C (150F)
INCOMPATIBILITY WITH OTHER MATERIALS: Reacts with acids to yield carbon dioxide. May also yield free caustic in presence of lime dust (CaO) and moisture (i.e., water, perspiration). Dangerous reaction with monoammonium phosphate or a sodium potassium alloy may occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Heating above 100 degrees C may cause dangerous levels of carbon dioxide gas to be present in confined spaces. Yields sodium oxide if exposed to temperatures above 850 degrees C. Avoid inhalation, eye and skin contact with sodium oxide.
HAZARDOUS POLYMERIZATION: N/A

Section 11 – Toxicological Information

EYE EFFECTS: The material was minimally irritating to unwashed eyes and practically non-irritating to washed eyes (rabbits).
SKIN EFFECTS: Not a skin irritant or dermally toxic. Not a contact sensitizer.
ACUTE ORAL EFFECTS: Acute Oral rat LD50= 7.3g/kg
ACUTE INHALATION: LC50 (rat) > 4.74 mg/l

Section 12 – Ecological Information

AQUATIC TOXICITY: Daphnids: EC50=4100mg/l, Bluegill: LC50=7100 mg/l, Rainbow Trout: LC50=7700mg/l
PERSISTENCE: this product is not expected to persist in the environment.
BIOACCUMULATION: This product is not expected to bioaccumulate.
BIODEGRADATION: This product is inorganic and not subject to biodegradation

Section 13 – Disposal Considerations

Bury in a secured landfill in accordance with all local, state and federal environmental regulations. Empty containers may be incinerated or discarded as general trash.

Section 14 – Transport Informations

D.O.T. SHIPPING NAME: Not Regulated

Section 15 – Regulatory Information

CLEAN AIR ACT SECTION 611: Material neither contains nor is it manufactured with ozone depleting substances (ODS)
FEDERAL WATER POLLUTION CONTROL ACT (40 CFFR 401.15): Material contains no intentionally added or detectable contaminant levels of EPA priority toxic pollutants.
FOOD AND DRUG ADMINISTRATION: Generally Recognized as Safe (GRAS) direct food additive (21 CFR184.1736)
US DEPARTMENT OF AGRICULTURE: List of Proprietary Substances – Permitted Use Codes 3A, J1, A1, G1, and L1
CERCLA REPORTABLE QUANTITY: None
OSHA: Not hazardous under 29 CFR 1910.1200
RCRA: Not a hazardous material or a hazardous waste by listing or characteristic.
SARA TITLE III: Section 302, Extremely Hazardous Substances: None;
Section 311/312, Hazardous Categories: Non-Hazardous;
Section 313, Toxic Chemicals: None
Sodium Bicarbonate is reported in the EPA TSCA Inventory List
Contains No VOC’s

Section 16 – Other Information

HAZARD RATINGS	HMIS (III)
Health	0
Flammability	0
Reactivity	0

DATE PREPARED: 12-28-20

DISCLAIMER

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