

Safety Data Sheet

Product ID: 531 **Mokon D-Scaler Fluid**

Revised: May 1, 2015

1. IDENTIFICATION

Product Name: **Mokon D-Scaler Fluid**

Recommended Use: Descaler for the SAFE removal of water scale deposits

Manufactured by:

Delta Products Group

P.O. Box 6466

Aurora, IL 60598-0466

888-337-2253 630-264-6001

Manufactured for:

Protective Closures Company, Inc.

2150 Elmwood Avenue

Buffalo, NY 14207

716-876-9951

2. HAZARDS IDENTIFICATION

There are NO Hazards associated with this product. Raw ingredients are rendered harmless during the manufacture process. Eye drops contain the same ingredient as the active HCl in this product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>% by Wt</u>	<u>PEL</u>	<u>TLV</u>	<u>Other</u>
Aqueous Hydrogen Chloride	7647-01-0	9.5	5ppm	2ppm	N/A

4. FIRST-AID MEASURES

Eye Contact: Flush eyes immediately with water for 15 minutes. If irritation persists, seek medical.

Skin Contact: Rinse with water. Wash well with soap and water if itching persists.

Inhalation: Remove to fresh air. There are no fumes from the product, but likely from deposits.

Ingestion: If swallowed, do not induce vomiting. Rinse mouth immediately of terrible taste.

Note to Physicians: This is a non-hazardous descaler and can be held openly in your bare hands. It will however dissolve calcium deposits and should not be combined with exposed teeth or cuts.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, foam or extinguisher.

Fire Fighting Methods: This liquid does not burn, but any normal methods may be used in a fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Contain spills and minimize personal contact with fluids. Wash afterwards.

Environmental Precautions: Material is wholly Biodegradable. It should be spent prior to disposal.

Clean-up Procedures: Rinse with water to sewer drain. Not for disposal down storm sewers.

7. HANDLING AND STORAGE

Handling: Preserve integrity of containers. Store in a cool place. Keep closed and uncontaminated.

Storage: Five (5) year shelf life. Lot number and expiration month/year on container sticker.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: None required. General ventilation and normal safety practices.

Respiratory Protection: None required.

Eye/Face Protection: Keep from eyes. Safety glasses would be a good option to consider.

Body/Skin Protection: May be held in your bare hand without danger. Gloves for sensitive skin.

General Safety Measures: This is an industrial strength cleaner and should be handled as such.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Dark liquid
Color: Translucent black, like coffee
Odor: Slight wintergreen
pH Value: Less than 3

Freezing Point: 25 Degrees F
Boiling Point: 215 Degrees F
Flash Point: None, will not support combustion
Solubility in Water: 100%

10. STABILITY AND REACTIVITY

Chemical Stability: Very stable
Hazardous Reactions: Avoid strong caustics. Potential violent pH change reactions.
Incompatible Materials: Strong caustics, bleach products

11. TOXICOLOGICAL INFORMATION

See Section 12 below for LC 50 information. FIRST descalers approved by the U.S. Navy for nuclear submarine & carrier ONBOARD descalings. This unique technology has been available since 1938.

Routes of Exposure: Eyes, Ingestion, Skin and Inhalation

Eye Contact: Will cause irritation. Similar to lemon juice.

Ingestion: No hazard expected under normal use. May be harmful to teeth if swallowed.

Skin Absorption: No data available. Causes slight itching sensation.

Inhalation: No hazard expected under normal use.

12. ECOLOGICAL INFORMATION

Fish and Aquatic Invertebrates: Fathead minnow (*P. promelas*) and water flea (*C. dubia*)

LC-50: 4049.9 mg/L and 3268.5 mg/L respectively

NOEL: 2500 mg/L

Manufacturer's Notes: BOD Values tested to be 16 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Disposal of Substance: Expended solutions may be disposed down regular city sewers with a water flush. The dissolved water deposits in a lower pH discharge will not harm the bugs at WWTPs.

14. TRANSPORT INFORMATION

Land and Sea Transport: Common Carrier truck, rail, ocean or air transport shipped same day ARO.

International and Air Transport: Export by sea or air freight. HIS# 3402.90.5030 NMFC# 48580-03

15. REGULATORY INFORMATION

TSCA Inventory: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements. This product meets all the NSF criteria for being rated A3 in all food plants.

SARA Title III Section 311:

There are NO Regulated Components or Category Hazards associated with this product.

16. OTHER INFORMATION

NFPA Hazard Codes: Health: 0 Fire: 0 Reactivity: 0 Special: A

Hazard Rating System: Health: 0 Flammability: 0 Reactivity: 0

Most cleaning jobs can be accomplished in 2-4 hours time. Do not circulate this material for more than a four hour period without first consulting the manufacturer or its reps. Use this and all our industrial cleaners as directed and at ambient temps. Elevated temperatures increase risk of harm.

SDS Prepared by: Mark Ostermeier

Revised 5/1/15