

MEGACLEAN 70

MATERIAL SAFETY DATA SHEET

Date of issue: July 07 2015,
Revision #1

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: MEGACLEAN 70

General Use: Cleaning/washing agents

2. HAZARDS IDENTIFICATION

GHS Hazard Classification:

Corrosive to metal: Category 1

Acute toxicity (oral): Category 1

Skin corrosion/irritation: Category 2

Serious eye damage and eye irritation: Category 4

GHS label elements:

Symbol:



Signal words:

Warning

Hazard statements: May be corrosive to metals

Harmful if swallowed

Causes serious eye damage

Precautionary statements:

Avoid contact with skin and eyes. Do not breath vapor

In case of contact with eyes or skin, rinse immediately with plenty of water and seek medical advice.

Use personal protective equipment as required. Wear protective gloves.

Wear eye/face protection.

Keep away from strong oxidizing agent and acids.

Keep container tightly closed and keep it in a well-ventilated place. Keep out of water ways and do not empty into drains.

Other hazards which do not result in classification: None

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS#	Percent	EINECS/ELINCS
Phosphonate	37971-36-1	Not open	N/A
Water	7732-18-5	Balance	231-791-2

3. HAZARDS IDENTIFICATION

Emergency Overview:

APPEARANCE: clear colorless to pale yellow liquid

CAUTION: Inhalation of vapor or mist can cause headache, nausea and irritation of the nose, throat and lungs. May cause eye and skin irritation.

Target Organs: Prolonged or repeated overexposure to dusts or mists can cause lung irritation.

Potential Health Effects:

- **Eye:** Slightly irritating to eyes.
- **Skin:** Prolonged or repeated skin contact can cause slight irritation.
- **Ingestion:** Irritating of the mouth, throat and digestive tract.
- **Inhalation:** May cause irritation of nose, throat, and lungs. May cause headache and nausea.
- **Chronic:** Prolonged or repeated overexposure to dusts or mists can cause lung irritation.

For additional information on toxicity, please refer to Section 11.

4. FIRST AID MEASURES

- **Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed.
- **Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure.
- **Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
- **Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
- **Notes to Physician:** Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

- **Flash Point:** Noncombustible
- **General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- **Hazardous products of combustion:** Carbon monoxide(CO), carbon dioxide.
- **Extinguishing Media:** Water spray, foam, dry chemical, or carbon dioxide
- **Special Fire-Fighting information:** Dried product can burn. Material can splatter at temperature above 100 degree C.
- **Autoignition temperature:** Not applicable
- **Explosion Limits, Lower:** Not applicable, **Upper:** Not applicable

6. ACCIDENTAL RELEASE MEASURES

- **General Information:** Use proper personal protective equipment as indicated in Section 8.
- **Environmental:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Spill on porous surfaces can contaminate groundwater.

- **Spills/Leaks:** Keep spectators away. Floor may be slippery, use care to avoid falling. Avoid all contact. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

7. ACCIDENTAL RELEASE MEASURES

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Do not breathe vapor or mist. Emptied containers retain vapor and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non industrial purposes is prohibited and any reuse must be in consideration of the data provided in this material safety data sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Phosphonate	>650 mg/kg	>400 mg/kg	No data available
Water	none listed	none listed	none listed

OSHA Vacated PELs: Phosphoric acid: 1 mg/m³ TWA Water: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear chemical splash goggles and face shield.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance and color:** clear colorless to pale yellow liquid
- **Odor:** mild
- **Solubility in water:** completely miscible
- **Specific gravity @ 20 degree C:** 1.13 ± 0.02
- **pH:** 0.5 – 1.0
- **Boiling point:** 100 degree C water
- **Crystallizing point:** 0 degree C water
- **Vapor Density (Air=1):** <1 water
- **Vapor Pressure (mm Hg):** 17 @ 20 degree C water
- **Evaporation Rate (Bu. Acetate=1):** <1 water

NOTE: These physical data are typical values based on material tested but may vary from sample to

sample. Typical values should not be construed as a guaranteed analysis of any

specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

- **Stability:** This material is considered stable. However, avoid temperatures above 230⁰C, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.
- **Conditions to avoid:** Heating temperatures above 230⁰C.
- **Incompatibilities with other materials:** Not known.
- **Hazardous Decomposition Products:** Thermal decomposition may yield, carbon dioxide, carbon monoxide (CO), acrylic monomer vapors.
- **Hazardous Polymerization:** has not been reported.

11. TOXICOLOGICAL INFORMATION

Toxicity data for a compositionally similar material are listed below:

- **LD50/LC50:**

Substance	LD50(Oral, rat)	LD50(Dermal, rat)	LC50(Inhalation, rat)
Phosphonate	No data available	No data available	No data available

- **Carcinogenicity:**

Not listed by ACGIH, IARC, NTP, or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Fish: Mosquito Fish: LC50 = 138 mg/L; 96 Hr; Unspecified No data available.

Environmental: The acidity of phosphoric acid may be reduced readily by natural water hardness minerals, but the phosphate may persist indefinitely. During transport through the soil, phosphoric acid will dissolve some of the soil material, in particular, carbonate-based materials. The acid will be neutralized to some degree with adsorption of the proton and phosphate ions also possible. However, significant amounts of acid will remain for transport down toward the groundwater table.

Physical: No information available.

Other: Dangerous to aquatic life in high concentrations

13. DISPOSAL CONSIDERATIONS

- **Disposal considerations:** Deactivation
- **Environmental precautions:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
- **Waste classification:** When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 4- CFR 261.33.
- The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).
- **Miscellaneous advice:** Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations. (See 40 CFR 268)

14. TRANSPORT INFORMATION

- **DOT Proper Shipping Name:** Non-regulated
- **DOT Hazard Class:** -
- **UN Number:** -

- **Packing Group:** -

IATA: Non-hazardous for air transport

NOTE: The data provided in this section is for information only. Please apply the appropriated regulations to properly classify your shipment for transportation.

15. REGULATORY INFORMATION

- **Workplace Classification:** This product as supplied is non-hazardous under the OSHA Hazard Communication Standard(29 CFR 1910.1200).

This product is not a controlled product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

- **TSCA(Toxic Substances Control Act):**

All components of this product are listed on the TSCA inventory.

- **CERCLA Information (40 CFR 302.4):** Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

- **SARA Title III: Section 311/312 Categorizations (40 CFR 370):** This product is not a hazardous chemical under 29 CFR 1910.1200, and therefore is not covered by Title III of SARA.

- **SARA Title III: Section 313 Information (40 CFR 372):** This product does not contain chemical which is listed on Section 313 at or above de minimum concentrations.

- **European/International Regulations**

- **European Labeling in Accordance with EC Directives**

Hazard Symbols:

Xi Irritant

Risk Phrases:

R 36 Irritating to eyes.

Safety Phrases:

S 25 Avoid contact with eyes.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately. (show the label where possible)

16. OTHER INFORMATION

MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.