# Super Kool

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Super Kool
**Catalog Number:** Super-Kool
**Manufactured by:** DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA 30097

**Information Phone No:** 1+678-542-3600
**EMERGENCY Phone No.:** 1+800.434.9300 Chem-Tel (Chemical Emergencies Only)
**Prepared by:** V. Leone

## SECTION 2. HAZARDOUS IDENTIFICATION

**GHS Classification:**

Skin Irritation Category 1B
Eye Irritation Category 1

**Label Elements:**

**Signal Word** Danger!

**Hazard Statement(s)**

| | |
|---|---|
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |

**Precautionary Statement(s)**

| | |
|---|---|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P260 | Do not breathe mist or spray. |
| P264 | Wash thoroughly after handling. |
| P280 | Wear rubber, neoprene or nitrile gloves and protective clothing, and safety goggle or a face shield to protect eyes and face. |
| P301+330+331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P303+361+353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse SKIN with water or shower. |
| P363 | Wash contaminated clothing before reuse. |
| P304+340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or doctor. |
| P405 | Store locked up. |
| P501 | Dispose of contents and container to appropriate facility in accordance with Federal, State, and local regulations. |

# Super Kool

## SECTION 3. HAZARDOUS INGREDIENTS INFORMATION

| INGREDIENT | CAS No. | EINECS No. | % or Range | GHS Classification |
|---|---|---|---|---|
| Water | 7732-18-5 | 231-791-2 | 25-50 | Not classified |
| Sulfamic Acid | 5329-14-6 | 226-218-8 | < 10 | H315: Causes skin irri. Category 2<br>H319: Causes serious Eye irritation. Category 2A<br>H412: Harmful to aquatic Life with long Lasting effects. Category 3 |
| Phosphoric Acid | 7664-38-2 | 015-011-00-6 | 25-35 | H314: Skin severe Category 1A |

## SECTION 4. FIRST AID MEASURES

**4.1. Description of first aid measures**

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
**Ingestion:** DO NOT INDUCE VOMITING! Give large quantities of water if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.
**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.
**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**4.2. Signs and Symptoms of Exposure:**
**Inhalation:** Mists may irritate respiratory system and cause difficulty breathing.
**Ingestion:** Solutions and mists are corrosive and toxic. May cause gastric distress, diarrhea, and vomiting. May be fatal if swallowed.
**Skin Contact:** Severe irritation and possible chemical burns. Symptoms may be delayed for up to 12 hours.
**Eye Contact:** Severe irritation and possible burns
**Medical conditions generally aggravated by exposure:** Contact may aggravate pre-existing medical conditions such as dermatitis or asthma.

## SECTION 5. FIREFIGHTING MEASURES

**Suitable and Unsuitable Extinguishing Media:** This product is not flammable, but can react with non-ferrous metals to generate flammable hydrogen gas. Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools. This may result in frothing and increase fire intensity

**Special Equipment and Precautions for Fire-Fighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up.

**Methods and Material for Containment and Clean-Up:** Neutralize with sodium bicarbonate, soda ash, or lime. Pick up neutralized solution with a plastic pump or vacuum truck and store the neutralized solution in a leak-proof polyethylene container until product can be disposed of in a hazardous waste facility. Flush area twice with water to remove any remaining residues. Store wash solution in polyethylene containers for disposal. Do not use aluminum tools to collect absorbed material or aluminum containers to store collected wastes. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

# Super Kool

## SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Keep in a tightly closed container. Protect from physical damage. Keep this and all chemicals out of the reach of children. Avoid contact with eyes and skin. Avoid inhalation of vapors and mists. Wash thoroughly after handling.

**Conditions for Safe Storage, Including any Incompatibilities:** Store locked up. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues. Do not store with aluminum or magnesium. Do not mix with acids or organic materials.

Observe all warnings and precautions listed for the product.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Airborne Exposure Limits:**

**Phosphoric Acid:**
OSHA Permissible Exposure Limit (PEL): 1 mg/m3

**Appropriate Engineering Controls:**
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**Personal Respirators (NIOSH Approved):**
If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:** Wear rubber, neoprene, nitrile, Saranex® boots, gloves, lab coat, apron or coveralls, as necessary and appropriate, to prevent skin contact.

**Eye Protection:** Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities or a source of running water in the work area.

**Work Hygienic Practices:** Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating, smoking or using the bathroom.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid
**Odor:** Mild astringent
**Odor Threshold:** Not established
**pH @ 25°C:** < 1
**Melting Point (Pour Point):** 18 to 27 °C
**Boiling Point:** 118-171 °C
(Depending on concentration) 760 mm Hg
**Flash Point:** Not established
**Evaporation Rate (Water = 1):** > 1
**Flammable Limits:** Not established
**LEL:** N/A
**UEL:** N/A
**Vapor pressure (mm Hg):** <2
**Vapor Density (Air = 1):** Same as water
**Relative density:** 1.095
**Specific gravity (H2O = 1):** 1.198
**Solubility in water:** Water miscible
**Octanol/Water Partition Coefficient:** Not available
**Autoignition Temperature:** Not available
**Decomposition Temperature:** ~200°C

# Super Kool

## SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Possibility of Hazardous Reactions:** Will not occur.

**Conditions to Avoid:** Extreme heat, incompatibles.

**Incompatible Materials:** Metal containers, strong oxidizers, strong alkalis

**Hazardous Decomposition Products:** Hydrogen gas, $SO_2$.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Potential Health Effects:**

**Inhalation:** Mists may irritate respiratory system and cause difficulty breathing.

**Ingestion:** Solutions and mists are corrosive and toxic. May cause gastric distress, diarrhea, and vomiting. May be fatal if swallowed.

**Skin Contact:** Severe irritation and possible chemical burns. Symptoms may be delayed for up to 12 hours.

**Eye Contact:** Severe irritation and possible burns.

**Medical conditions generally aggravated by exposure:** Contact may aggravate pre-existing medical conditions such as dermatitis or asthma.

**Carcinogenic effects:** Not classified

**Teratogenicity/Reproductive toxicity:** Not classified

**Mutagenic effects:** Not classified

**Numerical Measures of Toxicity:**

| | |
|---|---|
| **Phosphoric Acid:** | **Oral LD50: Acute 1530 mg/kg Rat** |
| | **Dermal LD50: Acute. 2740 mg/kg Rabbit** |
| | **Dust LC50: Acute. 850 mg/m3 1 hr Rat** |
| **Sulfamic Acid:** | **Oral- mouse LD50: 1312 mg/kg** |
| | **Oral-Rat LD50: 3160 mg/kg** |
| | **Oral- GP LD50: 1050 mg/kg** |

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity: Phosphoric acid:** No negative effects on the aquatic environment are known. LC 50, 96 Hrs, FISH mg/l >500
EC 50, 48 Hrs, DAPHNIA, mg/l >500

**Aquatic:** No data available

**Persistence and Degradability:** Not expected to biodegrade or bio-concentrate

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** Water soluble phosphates, are translocated in the soil over a very short period of time, and being immobilized.

**Other Adverse Effects:** None known.

**Other:** For more information, see "*HANDBOOK OF ENVIRONMENTAL FATE AND EXPOSURE DATA."*

# Super Kool

## SECTION 13. DISPOSAL CONSIDERATIONS

Treat empty containers as hazardous. Dispose of spill-clean up and other wastes in accordance with National and local regulations. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state, and local requirements.

## SECTION 14. TRANSPORTATION INFORMATION

**US DOT:** UN3264, Corrosive Liquid, acidic, Inorganic, N.O.S.(Contains Phosphoric Acid and Sulfamic Acid)
**UN Proper Shipping Name:** UN3264, Corrosive Liquid, acidic, Inorganic, N.O.S.(Contains Phosphoric Acid and Sulfamic Acid)
**Transport Hazard Class(s):** 8
**UN Number:** UN3264
**Packing group:** III (Limited Quantity)
**Environmental Hazards:** Not Environmentally Hazardous Substance; not a Marine Pollutant
**ADR/RID ROAD//CDG Transport Information:** Transport category 3; Tunnel restriction code E
**SEA (IMDG) AIR (ICAO/IATA):** ERG Code 8L
**ADR/RID Class:** 8
**ADR/RID Packing Group:** III
**IMDG Hazard Class:** 8
**IMDG Packing Group:** III
**IMDG Code Segregation Group:** 1 – Acids
**EmS:** F-A S-B
**ADNR** Item
**IATA Hazard Class** 8
**IATA Packing Group** III
**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

## SECTION 15. REGULATORY INFORMATION

**Superfund Amendments and Reauthorization Act of 1986** (SARA) Title III requires emergency planning based on threshold planning quantities and release reporting based on reportable quantities in 40 CFR 355 (used for SARA 302, 304, 311, and 312) is not required for quantities below 250 pounds.

**Superfund Amendments and Reauthorization Act of 1986** (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This material is not subject to reporting requirements.

**Toxic Substances Control Act (TSCA) Status:** The ingredients of this product are on the TSCA inventory.

**State Right to Know**

**California Proposition 65:**

**Massachusetts:** Hazardous substances and extraordinarily hazardous substances must be identified.

**Pennsylvania:** Hazardous substances must be identified.

**California SCAQMD Rule 443.1 (VOC's):** None

# Super Kool

## SECTION 15. REGULATORY INFORMATION (cont.)

**Chemical Inventory Status**

| Ingredient | TSCA | EC | Japan | Australia | Korea | DSL | NDSL |
|---|---|---|---|---|---|---|---|
| **Phosphoric acid** | Yes | Yes | Yes | Yes | Yes | Yes | No |

**Federal, State & International Regulations**

| | SARA 302 RQ | SARA 302 TPQ | SARA 313 | TSCA | RCRA |
|---|---|---|---|---|---|
| **Mixture** | No | No | No | No | No |

**SARA 311/312:** Acute: **Yes** Chronic: **Yes** Fire: **No** Pressure: **No** Reactivity: **Yes (Mixture / Liquid)**

**WHMIS:** This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations

## SECTION 16. OTHER INFORMATION

**Revision Summary:** *All Sections: New GHS Format*

**Date Revised:** 10/13/2015

**HMIS III Ratings:**
**HMIS III®**

| | |
|---|---|
| **Health** | **3** |
| **Flamability** | **0** |
| **Physical Hazard** | **1** |
| **Personal Protection** | **I** |

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