

SAFETY DATA SHEET

Revive-C

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 02/07/2015 / Supersedes Revision: n/a

Manufacturer:

PDQ Manufacturing, Inc.
201 Victory Circle
Ellijay, GA USA 30540
Phone: (706) 636-1848
Website: www.pdqonline.com

EMERGENCY CONTACT: Chemtrec, Reference CCN203605

Phone: (800) 424-9300 (collect calls accepted) / International: (703) 527-3887

Product Name: Revive-C

ID Code: 4756

Product Category: Alkaline Detergent

SECTION 2: HAZARD(S) IDENTIFICATION

Acute Toxicity: Oral, Category 4

Skin Corrosion/Irritation, Category 1A

Skin Corrosion/Irritation, Category 1B

Skin Corrosion/Irritation, Category 1C

Serious Eye Damage/Eye Irritation, Category 2A



GHS Signal Word: DANGER

GHS Hazard Phrases:

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H319 - Causes serious eye irritation.

GHS Precaution Phrases:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+352 - IF ON SKIN: Wash with plenty of soap and water.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.

P310 - Immediately call a POISON CENTER or doctor/physician.

P330 - Rinse mouth.

P332+313 - If skin irritation occurs, get medical advice/attention.

P337+313 - If eye irritation persists, get medical advice/attention.

P362 - Take off contaminated clothing and wash before re-use.

P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:

P405 - Store locked up.

P501 - Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.

Hazard Rating System:

HMIS

Health: 1

Flammability: 0

Physical: 1

PPE: A

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Potential Health Effects (Acute and Chronic): Adverse reproductive effects have been reported in animals.

Inhalation: Causes respiratory tract irritation. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Can produce delayed pulmonary edema. May cause acute pulmonary edema, asphyxia, chemical pneumonitis, and upper airway obstruction caused by edema. Harmful if inhaled.

Skin Contact: Causes skin irritation. Ingestion can cause burning pain in mouth, throat and abdomen - May be fatal if ingested. Causes skin burns.

Eye Contact: Causes eye irritation. Causes eye burns. May cause conjunctivitis. May cause permanent corneal opacification. Lachrymator (substance which increases the flow of tears).

Ingestion: May cause irritation of the digestive tract. Harmful if swallowed. Causes burns. May cause nausea, vomiting, and diarrhea, possibly with blood.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	20.0 -35.0 %
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	<15.0 %

SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician. Wash clothing before reuse.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Continue rinsing eyes during transport to hospital.

In Case of Ingestion: Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Consult a physician.

Signs and Symptoms Of Exposure: Burning sensation, Breathing dusts from the use of this product may be harmful. Wheezing, Laryngitis, Shortness of breath.

Note to Physician: None known.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt: NP

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do NOT get water inside containers. Contact professional fire-fighters immediately. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear self contained breathing apparatus for fire fighting if necessary. Further information. The product itself does not burn. Strong oxidizer. Contact with other material may cause fire. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use water with caution and in flooding amounts. Some oxidizers may react explosively with hydrocarbons(fuel). May accelerate burning if involved in a fire. Containers may explode when heated.

Flammable Properties and Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. Personal precautions. Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions. Do not let product enter drains. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Do not get water inside containers. Do not use combustible materials such as paper towels to clean up spill. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section).

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SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation. Wash thoroughly after handling. Keep container tightly closed. Avoid contact with clothing and other combustible materials. Do not ingest or inhale.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Keep away from sources of ignition. Do not store near combustible materials. Store protected from moisture. Keep away from acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt			
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}			

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Safety glasses. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: ☐ Gas ☐ Liquid ☒ Solid

Appearance and Odor: White granular powder
Fragrant odor.

Melting Point:

Boiling Point:

Autoignition Pt: NP

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1):

Vapor Pressure (vs. Air or mm Hg):

Density: ~ 60 LB/CF

Evaporation Rate:

Solubility in Water:

Viscosity:

pH: ~ 12.0 @ 1%

Percent Volatile:

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable ☐ Stable ☒

Conditions To Avoid - Instability: Incompatible materials, dust generation, Exposure to moist air or water, ignition sources, Excess heat, combustible materials.

Incompatibility – Materials To Avoid: Strong acids. Incompatible with alkalis, sol carbonates, gold and silver salts, lead acetate, lime water, potassium iodide, potassium and sodium tartrate, sodium borate, tannin, vegetable astringent infusions and decoctions. Lead. Tin/tin oxides, Zinc, Reducing agents, Organic materials, Finely powdered metals, Acids, Bases, Metals. fluorine, Hydrogen peroxide, phosphorus pentoxide, 6-trinitrotoluene.

Hazardous Decomposition Or Byproducts: Carbon monoxide, oxides of phosphorus, Carbon dioxide, formed under fire conditions. Sodium oxides, silicon oxides. Nitrogen oxides.

Possibility of Hazardous Reactions: Will occur ☐ Will not occur ☒

Conditions To Avoid -Hazardous Reactions:

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information found. Teratogenicity: No information available. Reproductive Effects: Mutagenicity: Neurotoxicity: Teratogenicity: Teratogenic effects have occurred in experimental animals.

Other Studies:

Irritation or Corrosion: Skin - rabbit - Severe skin irritation - -24 h.

Carcinogenicity/Other Information: CAS# 7758-29-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1%

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is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 15630-89-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	n.a.	n.a.	n.a.	n.a.
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	n.a.	n.a.	n.a.	n.a.

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Environmental: Not regulated under U.S. Department of Transportation regulations (29 CFR) Physical: No information available. Other: Do not empty into drains.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed. Product. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Dispose of as unused product.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class: UN/NA Number: Packing Group:

SECTION 15: REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No	No	No
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}	No	No	No

CAS # **Hazardous Components (Chemical Name)**

6834-92-0 Silicic acid (H₂SiO₃), Disodium salt

15630-89-4 Disodium carbonate, compound with hydrogen peroxide (2:3) {Sodium percarbonate; Sodium carbonate peroxyhydrate}

Other US EPA or State Lists

CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

SECTION 16: OTHER INFORMATION

Revision Date: 02/07/2015

Preparer Name: Regulatory Affairs

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.