



SAFETY DATA SHEET

SpeedyBright™
Descaler/Lime Scale Remover

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

SpeedyBright™

1.2 Other Means of Identification

SPDYBRT-CS; SPDYBRT-05

1.3 Recommended Use of the Chemical

See label instructions.

1.4 Restrictions on Use

None known.

1.5 Manufactured By

DiversiTech Corporation
3039 Premiere Parkway
Suite 600
Duluth, GA 30097
1.800.995.2222

1.6 Emergency Telephone Number

For chemical emergencies, day or night, call ChemTel at **1.800.255.3924**

SECTION 2 – HAZARD IDENTIFICATION

2.1 Classification of the Chemical

Skin Corrosion, category 1

2.2 Pictograms



2.3 Signal Word

Danger

2.4 Hazard Statement(s)

H314 Causes severe skin burns and eye damage.

2.5 Precautionary Statements

P102 Keep out of reach of children.
Do not breathe dusts or mists.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves and eye protection.
P301+330 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
+331
P303+361 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
+353
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
+338
P310 Immediately call a doctor.
P321 Specific treatment (see FIRST AID section on this label).

P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of container in accordance with local regulations.

2.6 Hazard(s) Not Otherwise Classified

None known

0% of the chemical consists of ingredient(s) of unknown acute toxicity.

2.7 Note

Labeling elements found on this SDS may be different from labeling elements found on the label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency. Please contact the responsible party in Section 1 if you have any questions.

SECTION 3 – INFORMATION ON INGREDIENTS

3.1 Ingredients Hazardous to Health

Ingredient	CAS	Concentration	GHS Classification(s)
Phosphoric Acid	7664-38-2	10-20%	Skin Corrosion 1

3.2 Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions.

3.3 Note

This product may contain other ingredients that are not required to be disclosed on this safety data sheet or product label in accordance with 19 CFR §1910.1200. Any ingredient not listed on either the SDS or label is not considered hazardous to health and shouldn't pose a risk to the user.

SECTION 4 – FIRST AID MEASURES

4.1 General First Aid Measures

If medical attention is required due to exposure then be sure to take product label or safety data sheet when seeking medical care.

4.2 Most Important Symptoms

None known.

4.3 If Inhaled

If product mist or spray causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist or become worse, seek medical attention immediately.

4.4 If on Skin

Flush skin with large amounts of water while removing contaminated clothing and continue rinsing for at least 15 minutes. Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse. Seek prompt medical attention if irritation persists.

4.5 If in Eyes

Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting upper and lower lids. Remove contact lenses, if present and easy to do, after first 2 minutes and continue rinsing. Obtain immediate medical attention, preferably from an ophthalmologist.

4.6 If Swallowed

Rinse mouth with water if victim is conscious. Remove dentures, if present. Give 1 - 2 cupfuls of milk or water to drink if victim is conscious, alert and able to swallow. Do not induce vomiting unless directed to do so by medical personnel. Do not leave victim unattended. To prevent aspiration of swallowed material lay victim on one side with the head lower than the waist. Vomiting may occur spontaneously. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.7 Indication of Immediate Medical Attention

Not anticipated to require immediate medical attention due to exposure.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Water spray, carbon dioxide, sand, powder extinguisher, dry chemical.

5.2 Unsuitable Extinguishing Media

None known.

5.3 Specific Hazards

Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

5.4 Hazardous Combustion Products

None known.

5.5 Special Protective Equipment

Full protective equipment including self-contained breathing apparatus should be used.

5.1 Precautions for Fire-Fighters

Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Remove non-emergency personnel from the area in an orderly fashion.

6.2 Protective Equipment

Use appropriate chemical-resistant gloves.

6.3 Emergency Procedure(s)

Cover drains to prevent spill from entering waterways. Evacuate non-emergency personnel from the area. Shut off all sources of ignition.

6.4 Methods for Containment

Cover drains and ventilate area to prevent vapor build-up.

6.5 Methods for Clean Up

For small spills, wipe with an absorbent material. For large spills, collect with sawdust, sand, or binder before cleaning. Place in an area appropriate for disposal.

6.6 References

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Wear all appropriate personal protective equipment specified in Section 8.

7.2 Conditions for Safe Storage

Containers that been opened must be carefully resealed and kept upright to prevent spillage. Containers of this material may be hazardous when empty as they contain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas.

7.3 Storage Incompatibilities

None known.

SECTION 8 – EXPOSURE CONTROLS

8.1 Exposure Controls by Ingredient

Ingredient	CAS	PEL	ACGIH	NIOSH
Phosphoric Acid	7664-38-2	1 mg/m ³ TWA	1 mg/m ³ TWA	1 mg/m ³ TWA

8.2 General Note

Practice good industrial hygiene. Wash hands after handling and use.

8.2 Appropriate Engineering Controls

Ensure mechanical ventilation. Local exhaust is preferable.

8.2 Eye/Face Protection

Wear protective goggles or safety glasses with unperforated side shields during use.

8.2 Skin Protection

Wear rubber gloves impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period. Wear protective boots if the situation requires.

8.2 Respiratory Protection

None with normal use. Always use an approved respirator when vapors are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

8.2 Environmental Protection

Do not empty into drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on physical and chemical properties

Appearance	Clear, Light green liquid
Odor	Odorless
Odor Threshold	Not determined
pH	< 2
Melting Point	-10 °C (14 °F)
Boiling Point	135 - 158 °C (275 - 316 °F)
Flashpoint	Not applicable
Flammability	Not applicable
Evaporation Rate	Not determined
Upper Explosive Limit	Not determined
Lower Explosive Limit	Not determined
Vapor Pressure	2.16 - 5.65 mm Hg @ 20 °C
Vapor Density	Not determined
Solubility	Completely miscible
Auto-Ignition	Not determined
Relative Density	Not determined
Partition Coefficient	Not applicable
Decomposition Temp	Not determined
Viscosity	Not determined

9.2 Other Information

VOC%	Not determined
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SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Not anticipated to be reactive.

10.2 Chemical Stability

Chemical is stable in normal storage conditions.

10.3 Hazardous Reactions

None known.

10.4 Incompatible Materials

Strong oxidizing agents., strong reducing agents, acids, alkalis, fluorine. DO NOT add water to the acid. ALWAYS add the acid to water while stirring to prevent release of heat, steam and fumes.

10.5 Conditions to Avoid

Extreme temperatures. Contact with incompatible materials.

10.6 Hazardous Decomposition Products

Thermal decomposition products include oxides of phosphorus, phosphine oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity Estimates (ATE)

Oral Contains no ingredient(s) considered toxic.
Dermal Contains no ingredient(s) considered toxic.
Inhalation Contains no ingredient(s) considered toxic.

11.2 Skin Corrosion/Irritation

May cause severe skin burns.

11.3 Eye Damage/Irritation

May cause severe eye damage.

11.4 Sensitization

Skin Contains no ingredient(s) applicable to this category.
Respiratory Contains no ingredient(s) applicable to this category.

11.5 Germ Cell Mutagenicity

Contains no ingredient(s) applicable to this category.

11.6 Carcinogenicity

Contains no ingredient(s) applicable to this category.

11.7 Reproductive Toxicity

Contains no ingredient(s) applicable to this category.

11.8 Aspiration Hazard

Contains no ingredient(s) applicable to this category.

11.9 Specific Target Organ Toxicity – Single Exposure

Contains no ingredient(s) applicable to this category.

11.10 Specific Target Organ Toxicity – Repeated Exposure

Contains no ingredient(s) applicable to this category.

11.11 Symptoms Related to Characteristics

None known.

11.12 Delayed and Immediate Effect from Short- and Long-Term Exposure

None known.

11.13 National Toxicology Program Listing

Not listed.

11.14 International Agency for Research on Cancer Listing

Not listed.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Eco-Toxicity

Algae	Contains no ingredient(s) considered toxic.
Fish	Contains no ingredient(s) considered toxic.
Crustacea	Contains no ingredient(s) considered toxic.

12.2 Persistence and Degradability

Contains inorganic substances, which are not biodegradable. Methods for determining biodegradability are not applicable to inorganic substances.

12.3 Mobility in Soil

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

12.4 Bioaccumulative Potential

Material is not expected to bioaccumulate.

12.5 Other Adverse Effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Do not allow material to run into surface waters, wastewater, sewers or soil.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Disposal of Empty Containers

Please recycle container with a licensed recycling company.

13.2 Disposal of Full or Partially Full Containers

Dispose of in accordance with local regulations. Contact a waste management company for additional questions.

SECTION 14 – TRANSPORTATION INFORMATION

14.1 Hazard Placard



14.2 UN Number

UN1805

14.3 UN Proper Shipping Name

Phosphoric Acid Solution

14.4 Hazard Class

8

14.5 Packaging Group

III

14.6 Environmental Hazard

No

14.7 Transport in Bulk

173.241

14.8 Special Precautions

Do not ship with excessive weight on top. Keep in original containers.

14.9 Limited Quantity
5.0 L

SECTION 15 – REGULATORY INFORMATION

15.1 SARA

311	Phosphoric Acid
312	Phosphoric Acid
313	No applicable Ingredients

15.2 Right-To-Know

Phosphoric Acid

15.3 TSCA Inventory List

Each ingredient is on the TSCA inventory list as ACTIVE or EXEMPT.

15.4 California State Laws

Prop65	No ingredients listed.
ARB	Single Purpose Cleaner
VOC Limit	Not applicable.

15.5 HMIS® III (higher numbers indicate higher risk)

Health	3
Flammability	0
Physical Hazard	0

15.6 NFPA® (higher numbers indicate higher risk)

Health	3
Flammability	0
Instability	0

SECTION 16 – OTHER INFORMATION

16.1 Revision Date

April 28, 2021 Additional SDS information provided.

16.2 General Disclaimer

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

16.3 SDS Prepared By

Cogwork Consulting Group, LLC.
www.cogworkconsulting.com