

Roth Pan Cleaner

1. Product and Company Identification

Product Name	Roth Pan Cleaner
Synonyms	None
MSDS Number	D01351
Company Identification	Roth Sugar Bush Rt. 1 Box 52 Cadott, WI 54727
Telephone	Roth Sugar Bush – 715-289-3820 CHEMTREC – 800.424.9300

NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.

2. Hazards Identification

Form	Liquid
Color	Clear, dark brown liquid
Odor	Characteristic acid
OSHA/HCS Status	Material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200); corrosive
GHS Classification	Corrosive to metals (Category 1) Acute toxicity, oral (Category 4) Skin corrosion (Category 1B) Serious eye damage (Category 1) Aquatic hazard, acute toxicity (Category 1)

Pictogram



Signal Word Danger

Hazard Statement(s)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.

Precautionary Statement(s)

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304 + P340	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305 + P351 + P338	Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

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P310	Absorb spillage to prevent material damage.
P363	Store locked up.
P390	Dispose of contents/ container to an approved waste disposal plant.
P405	
P501	

Potential Acute Health Effects

Inhalation	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion	Harmful if swallowed.
Skin	Causes skin burns.
Eyes	Causes severe eye burns.

See section 11 for more detailed information on health effects and symptoms

3. Composition/Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>WT %</u>
Phosphoric Acid	7664-38-2	40-45
Nonylphenol Ethoxylate	9016-45-9	2.5-3.0
Water	7732-18-5	Balance

4. First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wear gloves while removing contaminated clothing. If it is suspected that dust, vapor, mist, or gas is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

5. Fire-fighting Measures

Flammability of the Product	Not flammable or combustible
Flash Point (Method)	None
Auto Ignition Temperature	None

Extinguishing Media

Suitable	Use extinguishing media suitable for surrounding environment.
Not Suitable	No data available.
Special Fire-fighting Procedures & Hazards	Wear chemical protective clothing and self-contained breathing apparatus for firefighting.
Unusual Fire & Explosion Hazards	None known.

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6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge to the environment must be avoided.
Spill	Contain spillage, and then place in container for disposal according to local regulations. Neutralize small spills with soda ash and flush area with water.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Storage	Keep containers tightly closed in a dry and well-ventilated area. Store at ambient temperatures. Do not allow contact with alkaline materials or chlorine compounds.

8. Exposure Controls/Personal Protection

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Phosphoric Acid	1 mg/m ³ - TWA	1 mg/m ³ - TWA
Nonylphenol Ethoxylate	Not established	Not established
Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Maintain adequate ventilation. Keep levels below exposure limits.	
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
Respiratory	Where risk assessment shows air-purifying respirators are appropriate use a full-face 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.	
Eyes and Face	Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material.	
Skin	Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: gauntlet-type, neoprene, nitrile.	

9. Physical and Chemical Properties

Appearance	Clear, dark brown liquid
Odor	Characteristic acid odor
pH	Not determined
Water Solubility	Complete
Vapor Density (air = 1)	Not determined
Evaporation rate (butyl acetate = 1)	Not determined
Boiling Point (°F)	About 240 °F (115.6 °C)
Freezing Point (°F)	Not determined
Specific Gravity (H ₂ O = 1 @ 70 °F)	1.270
Vapor Pressure (mm Hg, 20 °C)	Not determined
Volatile Organic (VOC) Content	None

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10. Stability and Reactivity

Stable: X Unstable: Hazardous Polymerization: Occurs: Does Not Occur: X
Conditions to Avoid None known.
Materials to Avoid Highly alkaline materials, chlorine releasing materials.
Decomposition Products Fumes of oxides of phosphorus when heated to decomposition.

11. Toxicological Information

Eye Causes severe eye burns.
Phosphoric Acid Eyes – no data available
Nonylphenol Ethoxylate Eyes – rabbit – severe eye irritation
Dermal Causes skin burns.
Phosphoric Acid Dermal LD50 – no data available
Skin corrosion/irritation: no data available
Nonylphenol Ethoxylate Dermal LD50 – no data available
Skin corrosion/irritation: rabbit – mild skin irritation
Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Phosphoric Acid Inhalation LC50 – no data available
Nonylphenol Ethoxylate Inhalation LC50 – no data available
Oral Harmful if swallowed.
Phosphoric Acid Oral LD50 – no data available
Nonylphenol Ethoxylate Oral LD50 – no data available

Potential Chronic Health Effects

Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity No data available
Teratogenicity No data available
Fertility Effects No data available

12. Ecological Information

Biodegradability No data available
Ecotoxicity Toxicity to fish:
LC50 – Lepomis macrochirus (bluegill) – 1.0 mg/l - 96 h (nonylphenol ethoxylate)
Toxicity to aquatic invertebrates:
EC50 – Daphnia magna (water flea) – 12.2-17.0 mg/l – 48 h (nonylphenol ethoxylate)
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

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13. Disposal Considerations

Waste Disposal	Dispose of in a permitted waste management facility following all local, state, and federal regulations.
RCRA	No component of this product is listed as a hazardous waste.

14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

US DOT 49 CFR 172.101	Non-bulk Shipments (Drums/Totes)	Bulk Shipments (Tank Trucks/Rail Cars)
Proper Shipping Name	Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid)	Same
Hazard Class	8	Same
Identification Number	UN3264	Same
Packing Group	III	Same
Reportable Quantities	Not applicable	Same
Placards/Labels	Corrosive	Same

15. Regulatory Information

CERCLA / SARA Emergency Reporting	A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws. Phosphoric Acid CERCLA reporting amount – 5000 lbs.
SARA Title III Section 313	This product does not require reporting.
Clean Water Act (CWA) Section 311	The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. Phosphoric Acid
TSCA – Toxic Substances Control Act	All components of this product are listed on the Toxic Substances Control Act Inventory or are excluded from listing requirements.
RCRA – Resource Conservation and Recovery Act	The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal. No components listed
State Regulations	
Massachusetts	RTK Substances: The following components are listed: Phosphoric Acid (CAS #7664-38-2)
New Jersey	RTK Substances: The following components are listed: Phosphoric Acid (CAS #7664-38-2), Nonylphenol Ethoxylate (CAS #9016-45-9)
Pennsylvania	RTK Substances: The following components are listed Phosphoric Acid (CAS #7664-38-2), Nonylphenol Ethoxylate (CAS #9016-45-9)
California	Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

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16. Other Information

Date of Issue 08/12/15

NFPA



HMIS

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. The customer is responsible for determining the PPE code for this material.

Notice to Reader

The information contained herein is given in good faith, but no warranty, representation, inducement or license of any kind is made, except that the information is accurate to the best of Roth Sugar Bush's knowledge, or is obtained from sources believed by Roth Sugar Bush to be reliable and accurate. Roth Sugar Bush does not assume any legal responsibility for use or reliance upon the information being furnished. Customers are encouraged to conduct their own tests. Before using any product, read the container label directions as well as the Safety Data Sheet.