



SAFETY DATA SHEET

Safety Acid Cleaner

SECTION 01: IDENTIFICATION

Product identifier SAFETY ACID CLEANER
Other means of identification #7560
Recommended use Use to remove water scale, milkstone, and rust.
Recommended restrictions None known.
Manufacturer
Company name Crown Chemical Products Inc. **Supplier's Name**
Address 6125 Netherhart Road **Supplier's Address**
Mississauga, Ontario
L5T 1G5
Emergency Tel: (905) 564-0904

SECTION 02: HAZARD(S) IDENTIFICATION

Hazard Classification Skin Corrosion/Irritation Category 1
Serious Eye Damage/Eye Irritation Category 1
Corrosive to Metals Category 1

Label elements



Signal Word Danger
Hazard Statement H 314 Causes Severe Skin Burns and Serious Eye Damage
H290 May be corrosive to metals.

Precautionary Statement

P262: Do not get in eyes, on skin, or on clothing.
P260 Do not breathe fumes, mist or vapours.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P303+361+353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse. P390 Absorb spillage to prevent material damage.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Phosphoric Acid	7664-38-2	10-30
Linear Alcohol Ethoxylated	68439-46-3	1-5



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SECTION 04: FIRST-AID MEASURES

Inhalation	Remove to fresh air. Get medical attention if symptoms occur.
Skin contact	Wash off immediately with plenty of water. Wash clothing before reuse. Get medical attention if symptoms occur.
Eye	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Most important symptoms/effects, acute and delayed	See Section 11 for more detailed information on health effects and symptoms.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not flammable or combustible.
Special protective equipment and precautions for firefighters	Wear full protective equipment including a self-contained breathing apparatus. No unusual fire or explosion hazards are anticipated.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Methods and materials for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.



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SECTION 07: HANDLING AND STORAGE

Precautions for safe handling Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapour. Use only with adequate ventilation.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits Overall Product: None established.

Ingredient: Phosphoric Acid
Agency: ACGIH TLV, Limit Type: TWA: 1 mg/m³; STEL: 3 mg/m³
Agency: OSHA PEL, Limit Type: TWA: 1 mg/m³, STEL: 3 mg/m³
Agency: NIOSH, Limit Type: TWA: 1 mg/m³, STEL: 3 mg/m³

Appropriate Engineering Controls Effective exhaust ventilation system.

Personal Protective Equipment Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Gloves vinyl or latex

Respiratory Not required for normal use

Eye Wear eye protection/face protection.

Clothing Apron – Butyl rubber or Neoprene
If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Odour Mild characteristic odour

Physical State Liquid

Color Water clear

Odour Threshold No data available.

pH <1.0



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Freezing Point (°C) No data available.

Initial Boiling Point (°C) 100

Flashpoint (°C) >100

Evaporation Rate <1

Flammability No data available.

Lower Explosive Limit No data available.

Upper Explosive Limit No data available.

Lower Flammability Limit No data available.

Upper Flammability Limit No data available.

Vapour Pressure (mm) No data available.

Vapour Density (Air = 1) No data available.

Relative Density >1.0

Solubility Soluble

Partition coefficient (n-octanol/water) No data available.

SECTION 10: STABILITY AND REACTIVITY

Auto Ignition Temp. (°C) No data available.

Decomposition Temperature No data available.

Viscosity No data available.

Reactivity This material is considered to be non reactive under normal use conditions.

Chemical Stability Stable under normal conditions.

Possibility of hazardous reactions Not expected to occur with normal handling and storage.

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible Materials Reacts vigorously with alkalis. Reacts with mild steel and other metals.

Hazardous Decomposition Products May include carbon monoxide, carbon dioxide (CO₂) and other toxic gases or vapors.



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SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin Contact Eye Contact Ingestion
 Skin Absorption Inhalation

Toxicological Information

Symptoms of Exposure:

-Eye Contact: Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.

-Skin Contact: Pain, redness, blistering and possible chemical burn.

-Ingestion: Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.

Chronic Exposure : Health injuries are not known or expected under normal use.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 6043 mg/kg

ATEmix (dermal): 10783 mg/kg

Respiratory or skin sensitization : no data available

Reproductive effects : no data available

Germ cell mutagenicity : no data available

Teratogenicity : no data available

Carcinogenicity : No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

Numerical Measures Of Toxicity

Hazardous Ingredients

Phosphoric Acid

**LD₅₀ /LC₅₀ Specify
Species and Route**

LD50 (Oral, Rat) 1530 mg/kg

LD50 (Dermal, Rabbit) 2730 mg/kg

LC50 (Inhalation, Rat) >850 mg/m³ (1h)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No data available.

Persistence and degradability

No data available.



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Bioaccumulative potential No data available.

Mobility in soil No data available

Other adverse effects No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods In accordance with municipal, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN number 1760

TDG Classification Phosphoric Acid - Class 8

Packing group III

Special Shipping Instructions Phosphoric Acid
Corrosive liquids, N.O.S.
Class 8
Packing Group III

SECTION 15: REGULATORY INFORMATION

Regulatory Information This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

N/AP = Not Applicable

N/AV = Not Available

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

GHS: Globally Harmonized System

HPR : Hazardous Products Regulations

IARC: International Agency for Research on Cancer

NIOSH: The National Institute for Occupational Safety and Health

NTP : National Toxicology Program

OSHA : United States Department of Labor - Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted-Average

Prepared By: Crown Chemical Products Inc.

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