

1. IDENTIFICATION

Product Identifier: DESCALER **Revision Date:** January 3, 2018
Product Code: 205A
Other Name(s):
Distributed By:
Recommended Use & Restrictions on Use: Acid cleaner for bathroom care

Manufactured By: Concept Manufacturing Ltd. **Phone:** 250-491-5656
1285 Stevens Road **In case of Emergency Only, phone**
Kelowna, BC V1Z 2S9 **CANUTEC:** 613-996-6666

2. HAZARDS IDENTIFICATION

Classification of Mixture: Eye Damage/Irritation – Category 1
Skin Corrosion/Irritation – Category 1
Acute Toxicity, Oral - Category 4
Corrosive to Metals – Category 1

Label Elements:



Hazard Pictogram(s):

Signal Word: DANGER

Hazard Statements: Causes severe skin burns and eye damage.
Harmful if swallowed.
May be corrosive to metals.

Precautionary Statements:

Prevention: Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, and eye/face protection.
Use only outdoors or in a well-ventilated area.
Keep only in original packaging.

Response: **IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.

Storage: Store locked up.

Store locked up.
Keep container tightly sealed.
Store in corrosion resistant container with a resistant inner liner.
Disposal: Dispose of the contents/container in accordance with local/regional/national/international regulations.

Physical/health hazards not otherwise classified:

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
Phosphoric acid (75%)	8-12%	7664-38-2	

4. FIRST AID MEASURES

Necessary Measures:

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.

Most important symptoms – acute and delayed:

Causes serious eye damage.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Indication of immediate medical attention and treatment needed, if necessary:

Not applicable

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

Emits toxic fumes of oxides of phosphorus and toxic formic acid.

Specific protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See Section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with absorbent material and scoop into containers.
Large spills: Prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

- Do not breathe dusts or mists.
- Wash hands thoroughly after handling.
- Use only outdoors in a well ventilated area.
- Keep only in original packaging.
- Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

- Store locked up.
- Store in a well ventilated place.
- Keep container tightly closed.
- Store in corrosion resistant container with a resistant inner liner.
- Keep out of reach of children. Store in a cool, dry place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control Parameters – Exposure limits:

<u>Ingredient:</u>	<u>Limit:</u>
Phosphoric acid (75%)	ACGIH TLV STEL: 3 mg/m ³ TWA: 1 mg/m ³

Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

Wear protective gloves, protective clothing and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless liquid
Odour:	Seabreeze scent
Odour threshold:	Not available
pH:	<1
Melting/Freezing point:	Not available
Initial boiling point and range:	Not applicable
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density (specific gravity):	1.580
Solubility (ies):	Complete

Partition co-efficient n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

10. STABILITY AND REACTIVITY

Reactivity:

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

Chemical stability:

Stable

Possibility of hazardous reactions:

Reacts with metals

Conditions to avoid:

Not applicable.

Incompatible materials:

Oxidizers/Base

Hazardous decomposition products:

Not available.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation:	May cause respiratory tract irritation.
Ingestion:	Harmful if swallowed.
Eye contact:	Causes serious eye damage.
Skin contact:	Causes severeskin burns and eye damage.
Skin absorption:	Not available
Mutagenicity:	Not available
Carcinogenicity:	This information, if applicable, can be found in Section 2.
Reproductive toxicity:	This information, if applicable, can be found in Section 2
Sensitization of product:	This information, if applicable, can be found in Section 2
Specific Target Organ Toxicity – single exposure:	This information, if applicable, can be found in Section 2
Specific Target Organ Toxicity – repeated exposure:	This information, if applicable, can be found in Section 2

Toxicological Data:

Ingredient

Phosphoric acid (75%)

Data

Oral LD50: 1530mg/kg (rat)

Dermal LD50: 2740 (rabbit)

Acute: 3820 mg/kg (Rat)

Poly (oxyethylene) Nonylphenol ether

Other Toxicological Information on Ingredients

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available

Other adverse effects: Not available
Ecological Information on Ingredients: Not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: All waste must be disposed according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG Classification: UN 1805 PHOSPHORIC ACID, SOLUTION, CLASS 8; PG II

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Concept Manufacturing Ltd., Ph: 250-491-5656

Date of Preparation: January 3, 2018

Date of Revision: January 3, 2018

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Concept Manufacturing Ltd.

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Users assume all risks of use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

If user requires independent information on ingredients in this or any other material, contact the Canadian Centre For Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal, Quebec (514-873-3990).

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