



Safety Data Sheet

Slick

1. IDENTIFICATION

Product Identifier: Slick
Canadian TDG: UN1805
Synonyms: Not known
Chemical Family: Not known
Recommended Use: Washroom cleaner
Restrictions on Use: None

Manufacturer / Supplier:

Genesis Chemicals
1451 Highway Ave SE
Redcliff, AB
T0J 2P0

Prepared by: The Environmental, Health and Safety Department of Genesis Chemicals Ltd

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2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (oral) – Category 4
Skin corrosion/irritation – Category 1A
Serious eye damage – Category 1



Signal Word: Danger

Hazard Statement(s):

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Precautionary Statement(s):

P102 - Keep out of reach of children
P103 - Read label before use
P260 - Do not breathe dust, fumes, gas, mist, vapours or spray
P264 - Wash skin thoroughly after handling
P270 - Do not eat, drink, or smoke when using this product
P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+P330+P331+P312 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE or doctor/physician if you feel unwell

P302+P361+P352+P363 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse

P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell

P305+P351+P338+P312 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician

P404 - Store in a closed container

P501 - Dispose of contents and container in accordance with local, regional, national and international regulation

Other Hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration %
Phosphoric acid	7664-38-2	10-40
Hydrogen Chloride Anhydrous	7647-01-0	<10

Notes

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First-aid Measures

General

Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation or a rash occurs, get medical advice/attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses, if present and easy to do. Immediately call a POISON CENTRE or doctor/physician.

Ingestion

Rinse mouth. Do not induce vomiting. Call a POISON CENTRE or doctor/physician if you feel unwell

Most Important Symptoms and Effects, Acute and Delayed

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Immediate Medical Attention and Special Treatment

Special Instructions

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, appropriate dry chemical powder or water spray.

Unsuitable Extinguishing Media

High volume water jet.

Specific Hazards Arising from the Chemical

Releases flammable hydrogen gas when reacting with metals.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Approach fire from upwind to avoid hazardous vapours or gases. Stop leak before attempting to put out the fire. Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or explosive atmosphere. Dike and recover contaminated water for appropriate disposal. Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. If there is potential for skin contact with concentrated cleaner: chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Concentrated product: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Distant ignition and flashback are possible. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Before entry, especially into confined areas, check atmosphere with an appropriate monitor. Monitor area for flammable or explosive atmosphere.

Product (diluted as directed): use the personal protective equipment recommended in Section 8 of this safety data sheet. No other special precautions are necessary.

Environmental Precautions

Concentrated product: do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Concentrated product: small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Do NOT use combustible materials such as sawdust. Place used absorbent into suitable, covered, labelled containers for disposal.

Concentrated product: large spills or leaks: cover the spill surface with the appropriate type of foam to reduce the release of vapour. Dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Dike and recover contaminated water for appropriate disposal. Store recovered product in suitable containers that are: tightly-covered. Call for assistance on disposal.

Other Information

Report spills to local health, safety and environmental authorities, as required.

7. HANDLING AND STORAGE

Precautions for Safe Handling

When handling diluted product: no special handling precautions are necessary.

When handling concentrated product: only use where there is adequate ventilation. Avoid generating vapours or mists.

Keep containers tightly closed when not in use or empty. Wear personal protective equipment to avoid direct contact with this chemical.

Do NOT smoke in work areas. Wash hands thoroughly after handling this material. Immediately remove contaminated clothing using the method that minimizes exposure. Keep contaminated clothing under water, in closed containers. Launder clothes before rewearing. Inform laundry personnel of product hazard(s). Do not take contaminated clothing home.

Conditions for Safe Storage

Concentrated product: store in an area that is: temperature-controlled, well-ventilated, out of direct sunlight and separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). Keep amount in storage to a minimum. Comply with all applicable health and safety regulations, fire and building codes.

Materials to Avoid

Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational exposure limits

Chemical Name	ACGIH®	OSHA PEL (Ceiling)	IDLH
Phosphoric acid	1 mg/m ³ (TLV-TWA) 3 mg/m ³ (STEL)	1 mg/m ³ (TLV-TWA) 3 mg/m ³ (STEL)	1000 mg/m ³
Hydrochloric acid	2 ppm (ceiling)	5 ppm (ceiling)	50 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists. When handling large quantities of concentrated product: use a local exhaust ventilation and enclosure, if necessary, to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Individual Protection Measures

Eye/Face Protection

Do not get in eyes. Wear chemical eye protection/ face protection.

Skin Protection

Prevent all skin contact. Wear chemical protective clothing e.g. gloves, aprons, boots. Suitable materials are: Barrier® (PE/PA/PE), Silver Shield/4H® (PE/EVAL/PE), Tychem® Responder, Tychem® TK.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator. Concentrated product: wear a NIOSH approved air-purifying respirator with an organic vapour cartridge. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an organic vapour Cartridge, or, wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.

Other Personal Protection Data

Ensure that eyewash stations and safety showers are proximal to the work-station location.

9. CHEMICAL AND PHYSICAL PROPERTIES

Appearance

Pink liquid

Odour

Cherry

Odour Threshold

Not available

pH

< 3.0 in aqueous solution

Melting Point/Freezing Point

Not applicable

Initial Boiling Point/Range

Not applicable

Flash Point

Not applicable

Evaporation Rate	No data available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (specific gravity)	1.15 – 1.25
Solubility	Completely soluble
Partition Coefficient,	Not available
n-Octanol/Water (Log Kow)	
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available
Physical State:	Liquid

10. STABILITY AND REACTIVITY

Reactivity

Not reactive. Not sensitive to mechanical impact.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials, metals, excess heat, bases.

Incompatible Materials

Bases, amines, metals, permanganates, (e.g. potassium permanganate), fluorine, metal acetylides, hexalithium disilicide.

Hazardous Decomposition Products

Hydrogen chloride, chlorine, hydrogen gas

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Chemical Name	LC50 (inhalation)	LD50 (dermal)	LD50 (oral)
Phosphoric acid	LC50 >850 mg/m ³ /1h (rat)	LD50 2730 mg/kg (rabbit)	LD50 1530 mg/kg (rat)
Hydrochloric acid	LC50 3124 mg/kg/1h (rat)	LD50 5010 mg/kg (rabbit)	LD50 700 mg/kg (rat)

Acute toxicity

Harmful if swallowed.

Skin Corrosion/Irritation

Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation

Causes serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure Inhalation

May cause respiratory irritation.

Aspiration Hazard

No data available.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No data available.

Respiratory and/or Skin Sensitization

No data available.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive Toxicity**Development of Offspring**

This product is not expected to cause developmental effects.

Sexual Function and Fertility

This product is not expected to cause reproductive effects.

Germ Cell Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Interactive Effects

No information was located.

Chronic Effects

Prolonged inhalation may be harmful.

Additional Information:

No data.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information:

Chemical Name	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
Phosphoric acid	LC50 (Gambusia affinis) 3-3.5 mg/L/96h	Not available	Not available
Hydrochloric acid	LC50 282 mg/L/96h (mosquito fish) LC50 50 3.6 mg/L/48h (Bluegill)	Not available	Not available

Persistence and degradability

Not biodegradable. Hydrochloric acid will likely be neutralized to chloride by alkalinity present in natural environment.

Bioaccumulative Potential

No data available.

Mobility in soil

Hydrochloric acid will be neutralized by naturally occurring alkalinity. The acid will permeate soil, dissolving some soil material and will then neutralize.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation).

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

Burn in an approved incinerator according to federal, provincial/state, and local regulations. Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container.

14. TRANSPORT INFORMATION

DOT (U.S.):

DOT Shipping Name: PHOSPHORIC ACID, LIQUID

DOT Hazardous Class 8

DOT UN Number: UN1805

DOT Packing Group: III

DOT Reportable Quantity (lbs): Not Available.

Marine Pollutant: No.

TDG (Canada):

TDG Shipping Name: PHOSPHORIC ACID, LIQUID

Hazard Class: 8

UN Number: UN1805

Packing Group: III

Marine Pollutant: No.

Special Precautions for User

Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

Canada

WHMIS Classification

E – CORROSIVE MATERIAL

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

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

Note: Not available.

CEPA - National Pollutant Release Inventory (NPRI)

16. OTHER INFORMATION

Additional Information: This product has been classified in accordance with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the SDS contains all the information required by the Hazardous Products Regulations (HPR).

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Key to Abbreviations: IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration. ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. A4 = Not classifiable as a human carcinogen. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. IDLH = Immediately Dangerous to Life and Health.

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END OF SDS