

1. Identification of the material and supplier

Names

Product Name:	LooShine
ADG:	Hydrochloric Acid n.o.s (Phosphoric and Hydrochloric acid Mixture)
Supplier:	Theodist Limited P.O Box 1618 Boroko, NCD Phone: 313 9800 Fax: 325 0302
Emergency Telephone Number:	313 9800

Uses



Material Uses:	Toilet Bowl Cleaner
Date:	September 1st 2023

2. Hazardous identification

Hazard Classification of Substance or Mixture

Statement of Hazardous/ Dangerous Nature:	Classified as hazardous according to the criteria of Nature NOHSC and classified as dangerous goods according to the ADG Code.
<u>Physical Hazards:</u>	Not Classified
<u>Health Hazards</u>	
Skin corrosion/irritation:	Category 1A
Serious eye damage/eye irritation:	Category 1
May cause respiratory irritation:	Category 3
<u>Environmental Hazards:</u>	Not Classified

GHS Label Elements

<u>Signal Word:</u>	DANGER
<u>Hazard Pictograms:</u>	 
<u>Hazard Statements:</u>	
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

<u>Prevention Precautionary Statements:</u>	
P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.
P280	Wear suitable protective gloves and eye protection/face protection.
P261	Avoid breathing vapors/spray.
P271	Use only outdoors or in a well-ventilated area
<u>Precautionary Response statements:</u>	
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P403+P233, P405	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
<u>Storage Statements</u>	
P403+P235	Store in a well-ventilated place. Keep cool.
<u>Disposal Statements</u>	
P501	Dispose of contents/ container to an approved waste disposal plant
<u>Other Hazards</u>	
Not Known	

3. Composition/information on ingredients

Ingredient Name	CAS number	% by weight
Phosphoric acid	7664-38-2	10 - 15
Hydrochloric acid	7647-01-0	15 - 25
Other ingredients determined not to be hazardous according to NOHSC criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.		

4. First aid measures

First aid measures	
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.
Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation persists, seek medical attention
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:	Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or Poisons Information Center. Get medical attention immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

5. Fire-fighting measures

Hazchem code:	2X
Extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Fire/Explosion Hazards:	No specific hazards
Special Protective equipment for fire-fighter:	Fire fighters should wear appropriate protective equipment and Self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous Decomposition Products:	These products are carbon oxides (CO,CO ₂) phosphates, hydrogen and chloride(s)

6. Accidental release measures

Personal Precautions:	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up:	If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills , dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personnel protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling:	Avoid contact with eyes, skin and clothing.
Storage:	Keep container tightly closed. Keep container in a cool, well ventilated area. Keep away from incompatibles, such as alkali and oxidising agents.

8. Exposure controls/personal protection

Occupation Exposure Limits

Ingredient name:	Exposure limits:
Phosphoric acid:	NOHSC (Australia, 5/2003). STEL: 3mg/m ³ 15 minute/minutes. Form: All forms. TWA: 1mg/m ³ 8 hour(s). Form: All forms
Hydrochloric acid:	TLV (TWA) = 5ppm
Engineering measures:	Local exhaust ventilation should be provided.
Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Eye:	No special protection is required.
Hands:	Wear any impervious glove. Recommended: PVC gloves.
Respiratory:	A respirator is not needed under normal and intended conditions of product use.
Skin:	Wear synthetic apron, other protective equipment as necessary to prevent skin contact.

9. Physical and chemical properties

Physical state:	Liquid
Colour:	Dark Blue
Odour:	Slight pungent odour
Boiling point:	Not applicable
Melting point:	Not applicable
Specific gravity:	1.050 - 1.080 (Water=1)
Flash point:	Not available.
Vapour density:	Not available.
pH:	< 1 (100%)
Solubility:	Easily soluble in cold water, hot water.

10. Stability and reactivity

Stability:	The product is stable under normal ambient conditions of temperature and pressure.
Conditions to Avoid:	None identified.
Materials to Avoid	Alkali and oxidising agents.
Hazardous Decomposition Products:	Products are phosphates. Hydrogen and Chlorides.
Hazardous Reactions:	May react or be incompatible with alkalis and strong oxidising agents.

11. Toxicological information

Potential acute health effects

Inhalation:	Corrosive to the respiratory system.
Ingestion:	Causes burns.
Skin contact:	Corrosive to the skin.
Eye contact:	Corrosive to the eyes.

Potential chronic health effects

Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Reproductive Toxicity:	No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity data:	Not available
Persistence/degradability:	Not available
Mobility:	Not available
Other adverse effects:	Not available

Methods of disposal:	Do not reuse product containers. The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solution and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of via a licensed waste disposal contractor.
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Proper Shipping Name	Regulation	UN number	Class	Packing Grp	Additional Info.
Hydrochloric acid (phosphoric & hydrochloric Acid solution)	ADG	Un1789	8	II	Hazchem code: 2x Initial emergency response guide: 37
Corrosive liquid (phosphoric & hydrochloric Acid, solution)	IMDG	Un1789	8	II	Emergency schedules (Ems): f-a, s-b

15. Regulatory information

Australian Inventory status:	All substances are listed on AICS or exempt.
AU Classification:	Not classified as hazardous according to the criteria of NOHSC.

Standard for the Uniform Scheduling of Drugs and Poisons

Schedule:	S6
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Control of Scheduled Carcinogenic Substances

Ingredient Name	Schedule
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No listed substance

16. Other information

Prepared by:	Regulatory Affairs
Change made:	New format
Previous Date of Issue:	22nd August 2022
References:	<ul style="list-style-type: none">- ADG Code - Australian Transport of Dangerous Goods- IATA - Dangerous Goods Regulations- IMDG Code - 1990 Consolidated Edition- Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment- Approved Criteria for Classifying Hazardous Substances- List of Designated hazardous Substances- National Code of Practice for the Labelling of workplace Substances- National code of Practice for the Preparation of material Safety data Sheets- National Model regulations for the Control of Scheduled Carcinogenic Substances- National model Regulations for the Control of Workplace Hazardous Substances- Standard for the Uniform Scheduling of Drugs and Poisons

The information herein is to the best of our knowledge meant to describe safety requirements of our product and should not be construed as guaranteeing specific properties. No warranty expressed or implied is made as to its accuracy, reliability or completeness. Since we cannot anticipate or control the many conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application whether they are appropriate.