SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: TURBO

Uses: Removal of calcium and rust stains from metal, concrete and mineral surfaces.

COMPANY DETAILS :

Company: Enviro Chemicals (Aust.) Pty Ltd.
(A.C.N : 094087493)

Address: 740-744 Woodville Road Fairfield East NSW 2165.

Emergency PH: (02) 9755 2012 **(Business hour)** or

Poisons Information Centre Telephone: 13 11 26

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

THIS PRODUCT IS CLASSIFIED AS: XN, HARMFUL. N, DANGEROUS TO THE ENVIRONMENT. C, CORROSIVE. HAZARDOUS ACCORDING TO
THE CRITERIA OF SWA.

DANGEROUS ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

RISK PHRASES: R22, R35, R52. HARMFUL IF SWALLOWED. CAUSES SEVERE BURNS. HARMFUL TO AQUATIC ORGANISMS.

SAFETY PHRASES: S20, S23, S26, S28, S46, S61, S24/25, S36/37/39. WHEN USING, DO NOT EAT OR DRINK. DO NOT BREATHE MISTS OR SPRAY. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND CONTACT A DOCTOR OR
POISONS INFORMATION CENTRE. AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER. IF SWALLOWED, CONTACT A
DOCTOR OR POISONS INFORMATION CENTRE IMMEDIATELY AND SHOW THIS MSDS OR LABEL. AVOID RELEASE TO THE ENVIRONMENT.
REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS. AVOID CONTACT WITH SKIN AND EYES. WEAR SUITABLE PROTECTIVE CLOTHING,
GLOVES AND EYE/FACE PROTECTION.
SUSMP CLASSIFICATION: S6
ADG CLASSIFICATION: CLASS 8: CORROSIVE SUBSTANCES.
UN NUMBER: 1719, CAUSTIC ALKALI LIQUID, N.O.S.

GHS SIGNAL WORD: DANGER

HAZARD STATEMENT:

H290: CORROSIVE TO METALS.
H302: HARMFUL IF SWALLOWED.
H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H402: HARMFUL TO AQUATIC LIFE.

PREVENTION

P102: KEEP OUT OF REACH OF CHILDREN.
P260: DO NOT BREATHE FUMES, MISTS, VAPOURS OR SPRAY.
P264: WASH CONTACTED AREAS THOROUGHLY AFTER HANDLING.
P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
P280: WEAR PROTECTIVE GLOVES, PROTECTIVE CLOTHING AND EYE OR FACE PROTECTION.

RESPONSE

P310: IMMEDIATELY CALL A POISON CENTRE OR DOCTOR/PHYSICIAN.
P330: RINSE MOUTH.
P363: WASH CONTAMINATED CLOTHING BEFORE REUSE.
P301+P312: IF SWALLOWED: CALL A POISON CENTRE OR DOCTOR IF YOU FEEL UNWELL.
P303+P361+P351: IF ON SKIN (OR HAIR): REMOVE IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE CAUTIOUSLY WITH
WATER FOR SEVERAL MINUTES.
P304+P340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION 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.
P332+P313: IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE.
P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE.
P391: COLLECT SPILLAGE.
P370+P378: NOT COMBUSTIBLE. USE EXTINGUISHING MEDIA SUITED TO BURNING MATERIALS. WATER FOG OR FINE SPRAY IS
THE PREFERRED MEDIUM FOR LARGE FIRES.

STORAGE

P402+P404: STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER.
P403+P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL.

DISPOSAL

P501: DISPOSE OF SMALL QUANTITIES AND EMPTY CONTAINERS BY WRAPPING WITH PAPER AND PUTTING IN GARBAGE. FOR
LARGER QUANTITIES, IF RECYCLING OR RECLAIMING IS NOT POSSIBLE, USE A COMMERCIAL WASTE DISPOSAL SERVICE.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity		Percentage	CAS No.
Phosphoric Acid		< 60	7664-38-2
Water		> 40	7732-18-5

4. FIRST AID MEASURES

Swallowed: Drink 1 or 2 glasses of water. Do Not induce vomiting.
NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

Eye Exposure: Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

Skin Exposure: Wash of with water. If skin irritation persists seek medical advice.

Inhalation: Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

Advice to Doctor

Treat symptomatically based on individual reactions of patient and judgement of doctor.

5. FIRE FIGHTING MEASURES

Hazchem Code: 2R

Extinguishing Media

In case of fire, use appropriate media for surrounding fire.

Product is water based and is unlikely to play a contributing role in any fire. Heated product may splatter.

Special protective precautions and equipment for fire fighters

Fire fighters should wear self contained breathing apparatus and full protective clothing along with protective equipment.

Hazards from Combustion Products

No data available.

Flammability Conditions

Product is not flammable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

USE PERSONAL PROTECTIVE EQUIPMENT INCLUDING IMPERVIOUS GLOVES AND EYE PROTECTION. SPILT MATERIAL CREATES SLIPPERY CONDITIONS.

ENVIRONMENTAL PRECAUTIONS: CAUTION:

KEEP SPILLS AND CLEANING RUNOFF OUT OF DRAINS AND OPEN BODIES OF WATER.

METHODS & MATERIALS FOR CONTAINMENT & CLEAN UP:

CONTAIN SPILLS IMMEDIATELY WITH INERT ABSORBENT MATERIALS (E.G. SAND, EARTH). TRANSFER LIQUIDS AND USED ABSORBENT MATERIAL TO SEPARATE SUITABLE CONTAINERS FOR RECOVERY OR DISPOSAL.

7. HANDLING & STORAGE

Handling:

Avoid contact with eyes and skin. Ensure eyewash and safety shower are available and ready for use.

Conditions for safe storage

Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Do not store next to strong oxidizing agents or strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s): **Phosphoric acid.** - ASCC (AUS) / TWA - 1 mg/m³ / STEL - 3 mg/m³

Engineering measures: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

Biological Limit Values: Not available

PPE Wear splash-proof goggles, full-length nitrile or full-length viton (R) or full-length neoprene or full-length butyl or full-length rubber or full-length PVC gloves and coveralls. When using large quantities or where heavy contamination is likely, wear: a PVC apron, rubber boots and full face protection. Where an inhalation risk exists, wear: a Type B (Inorganic gases and vapours) respirator. If spraying, with prolonged use, or if in confined areas, wear: an Air-line respirator.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Colourless
Odour:	Odourless
pH:	Less than 1.0
Boiling point/range:	158°C
Melting point/range:	21°C
Flash point:	Non combustible
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Vapour pressure:	2.2 hPa
Relative vapour density:	3.4 (Air = 1)
Water solubility:	Miscible with water at all proportions
Relative density:	1.41 +/ 0.02
Viscosity, dynamic:	Not applicable
Evaporation rate:	Not established
Percent volatility:	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY & REACTIVITY

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED CONDITIONS OF STORAGE.

CONDITIONS TO AVOID: AVOID HEAT, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES.

MATERIAL TO AVOID: INCOMPATIBLE WITH ALKALIS (EG. HYDROXIDES) AND METALS. ALSO INCOMPATIBLE WITH ALCOHOLS, ALDEHYDES, AMIDES, AMINES, AMMONIA, CYANIDES, GLYCOLS, KETONES, CARBAMATES, ESTERS, FLUORIDES, NITROMETHANE, MERCAPTINS, PHENOLS

HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION PRODUCTS MAY EVOLVE TOXIC GASES (PHOSPHORUS OXIDES) WHEN HEATED TO DECOMPOSITION

HAZARDOUS REACTIONS: POLYMERIZATION IS NOT EXPECTED TO OCCUR.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary

Highly corrosive. This product has the potential to cause serious adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in severe skin, eye and respiratory burns with permanent lung and tissue damage. Upon dilution, the potential for adverse health effects may be reduced.

Eye: Highly corrosive. Contact may result in irritation, lacrimation, pain, redness and corneal burns with possible permanent damage.

Inhalation: Corrosive - toxic. Over exposure may result in irritation of the nose and throat, coughing and bronchitis. High level exposure may result in ulceration of the respiratory tract, lung tissue damage, chemical pneumonitis and pulmonary oedema. Effects may be delayed.

Skin: Corrosive. Contact may result in irritation, redness, pain, rash, dermatitis and possible burns. Prolonged or repeated contact may result in ulceration.

Ingestion: Highly corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, oedema, rapid pulse, shock, unconsciousness, convulsions and death.

Toxicity Data: PHOSPHORIC ACID (7664-38-2) LD50 (ingestion): 1530 mg/kg (rat) LD50 (skin): 2740 mg/kg (rabbit)

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No information available for this product.

Mobility: No information available on this product.

Additional information

Environmental fate (exposure): Avoid contaminating waterways, drains and sewers.

Bioaccumulative potential: No information available for this product.

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal: Dispose of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Product Name **PHOSPHORIC ACID Solution 85%**

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	**1805**	**DG Class**	**8**	**Subsidiary Risk(s)**	None Allocated
Packaging Group	III	**Hazchem Code**	2R	**GTEPG**	8A1

15. REGULATORY INFORMATION

Label

Classification and labelling have been performed according to regulations.

Poison Schedule Classified as a Schedule 6 (S6) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

EPG : PHOSPHORIC ACID Solution

Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).

All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

16. OTHER INFORMATION

Date of Preparation: 01/0172023

Key to Abbreviations & Acronyms Used in SDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure
Limit TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees
Celsius g	Gram
g/cm3	Grams per cubic
centimetre g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m3	Kilograms per cubic
metre ltr	Litre
m3	Cubic
metre mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m3	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies SDS

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION.

THE INFORMATION GIVEN IS DESIGNED ONLY AS GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION.

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END OF SDS