



MATERIAL SAFETY DATA SHEET

StellarSan

MCH Australia Ptd. Ltd.
Warehouse 2, 33-35 Smith Rd,
Springvale, VIC, 3171



Product Name **StellarSan**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name MCH Australia PTY LTD

Address Warehouse 2, 33-35 Smith Rd, Springvale

Telephone +61 3 9011 1698

Fax +61 3 9011 1697

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION:

Classified as **hazardous** according to the criteria of NOHSC.

Classified as a dangerous good UN 1760 according to the criteria of ADG Code (see section 14).

Classified as **schedule 6** according to the criteria of SUSDP (see section 15).

HAZARD CATEGORY:

C – Corrosive

RISK PHRASES:

R34 - Causes burns.

R41 - Risk of serious damage to eyes.

S1/2 – Keep locked up and out of reach of children.

S24/25 – Avoid contact with eyes and skin.

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection.

S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

The information contained in this MSDS is specific to the product when handled and used neat. This product when diluted may not require the same control measures as the neat product. Check with your technical representative if in doubt.

3. COMPOSITION – HAZARDOUS INGREDIENTS

Phosphoric Acid(96%)	CAS 7664-38-2	40-60% (V/%)
Dedecylbenzene Sulfonic Acid	CAS 27176-87-0	10-30% (V/%)
IMS (96%)	CAS 64-17-5	5-20% (V/%)
Water	CAS 7732-18-5	Bal to 100% (V/%)



4. FIRST AID MEASURES

INGESTION:	For advice, contact a Poisons Information Centre (Phone Australia 131126, New Zealand 0800 764 766) or a doctor. If swallowed, do NOT induce vomiting.
EYE CONTACT:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
SKIN CONTACT:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor.
INHALATION:	Remove from source of exposure to fresh air. Seek medical assistance if the effects persist. ** SHOW THIS SAFETY DATA SHEET TO A DOCTOR **
FIRST AID FACILITIES:	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
NOTES TO PHYSICIAN:	Treat symptomatically, may aggravate skin and lung disorders (for example, asthma-like conditions)

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Water spray, foam, carbon dioxide or dry chemical powder.
HAZARDS FROM COMBUSTION:	The product is non-combustible but will decompose under fire conditions releasing toxic and/or irritating smoke, phosphoric acid fumes and oxides of phosphorus. The packaging material may burn to emit noxious fumes. Contact with metals may liberate hydrogen gas which is extremely flammable.
PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:	Fire fighters should wear self-contained breathing apparatus and acid-resistant chemical splash unit to minimise risk of exposure.
HAZCHEM CODE:	2X

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:	Spillages are slippery. Ensure adequate ventilation, work up wind or increase ventilation. Keep spectators away – rope off the area. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and inhalation of mists.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:	Contain the spill and prevent run off into confined areas, drains and waterways. Absorb with dry earth, sand or other non-combustible material. Neutralise with lime or soda ash. Use clean non-sparking tools to collect and seal in properly labelled drums for disposal in an area approved by local authority by-laws. Wash area down with excess water to remove residual material. Incineration of disposed material is not recommended, as it is unlikely to adequately burn.



7. HANDLING AND STORAGE Handling

PRECAUTIONS FOR SAFE HANDLING:

Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright.

Addition to water releases heat which can result in violent boiling and splattering. Always add slowly and in small amounts. Never add water to acids always add acids to water. Avoid eye contact and repeated or prolonged skin contact and breathing in mists. Do not eat, drink or smoke in contaminated areas. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

CONDITIONS FOR SAFE STORAGE:

Store in the original container, in a cool dry well-ventilated area out of sunlight and away from heat, incompatible materials and foodstuffs.

Keep containers closed when not in use to ensure contamination does not occur- check regularly for leaks. Do not combine part drums of the same product, as this may be a source of contamination. Do not mix with other chemicals. This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS:

No value assigned for this specific material by NOHSC, however as published by NOHSC:

T.W.A. for Phosphoric Acid = 1 mg/m³ S.T.E.L. for Phosphoric Acid = 3 mg/m³

BIOLOGICAL LIMIT VALUES:

No biological limit allocated.

ENGINEERING CONTROLS:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards.

If inhalation risk exists then use with local exhaust ventilation or while wearing air supplied respirator. Keep containers closed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear, pale yellow, mobile liquid.

ODOUR:

Slight solvent odour.

PH (NEAT):

< 1

SPECIFIC GRAVITY OR DENSITY:

S.G. 1.24

VAPOUR PRESSURE:

No information available.

PERCENT VOLATILES:

Approx. 46% w/w.

BOILING POINT / RANGE:

No information available.

FREEZING / MELTING POINT:

No information available.

SOLUBILITY:

The product is water based and is fully soluble in water.

FLASH POINT:

No known fire hazard.

FLAMMABILITY LIMITS:

No information available.

IGNITION TEMPERATURE:

No information available.

SHELF LIFE:

2 years from manufacturing date (when stored as directed).

OTHER:

None.



10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal conditions of use. The shelf life is 2 years.
CONDITIONS TO AVOID:	Do not combine part drums of the same product, as this may be a source of contamination.
INCOMPATIBLE MATERIALS:	Alkalis, organic materials, aluminium and alloys, cast iron, brassy tin or zinc coated metals, strong oxidising and reducing agents, sulphides, phosphides, cyanides, acetylides, fluorides and carbides.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of phosphorus. The packaging material may burn to emit noxious fumes.
HAZARDOUS REACTIONS:	Reacts violently with alkalis with evolution of heat. Reacts exothermically on dilution with water. Reacts with strong oxidising and reducing agents, most metals, sulphides, phosphides, cyanides, acetylides, fluorides and carbides, releasing flammable or toxic gases. On heating may produce phosphorus oxides (PO _x). Corrosive to many metals with the liberation of extremely flammable hydrogen gas.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE EFFECTS

INGESTION:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the mouths, lips and gastrointestinal tract.
EYE CONTACT:	Corrosive to eyes and may injure the cornea. Contamination of eyes can result in permanent injury. Symptoms include stinging, tearing, redness and swelling of eyes.
SKIN CONTACT:	Corrosive to skin - may cause skin burns. May not produce an immediate burning sensation upon contact, delaying the awareness that contact has occurred. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Avoid contaminating waterways. The product is highly acidic. If large spills occurred a water pH drop could be responsible for an environmental effect on aquatic organisms. Low concentrations of phosphate may act as a plant nutrient or precipitate heavy metals.
PERSISTENCE AND DEGRADABILITY:	This product is considered to be inherently biodegradable to AS4351.
MOBILITY:	No information available.
OTHER:	None.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.
SPECIAL PRECAUTIONS FOR LANDFILL OR INCINERATION:	The product is suitable for disposal by landfill through an approved agent. Incineration of the product is not



recommended, as it is unlikely to adequately burn.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT:	Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
UN NUMBER:	1760
UN PROPER SHIPPING NAME:	CORROSIVE LIQUID , N.O.S. (CONTAINS PHOSPHORIC ACID)
CLASS AND SUBSIDIARY RISK(S):	8
PACKAGING GROUP:	III
HAZCHEM CODE:	2X
INITIAL EMERGENCY RESPONSE GUIDE:	Guide 37
SEGREGATION DANGEROUS GOODS:	Not to be loaded with explosives (class 1), dangerous when wet substances (class 4.3), oxidising agents (class 5.1), organic peroxides (class 5.2), radioactive substances (class 7), corrosives (strong alkalis of class 8), foodstuffs and foodstuff empties, however exemptions may apply.
MARINE TRANSPORT:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN NUMBER:	1760
UN PROPER SHIPPING NAME:	CORROSIVE LIQUID , N.O.S. (CONTAINS PHOSPHORIC ACID)
CLASS AND SUBSIDIARY RISK(S):	8
PACKAGING GROUP:	III
STOWAGE AND SEGREGATION:	Category A. Clear of living quarters.
AIR TRANSPORT:	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) for transport by air.
UN NUMBER:	1760
UN PROPER SHIPPING NAME:	CORROSIVE LIQUID , N.O.S. (CONTAINS PHOSPHORIC ACID)
CLASS AND SUBSIDIARY RISK(S):	8
PACKAGING GROUP:	III
ERG CODE:	8L

15. REGULATORY INFORMATION

POISONS SCHEDULE (AUST.):	6
APVMA STATUS:	Not relevant.
TGA STATUS:	Not relevant.
AICS STATUS:	All the constituents of this product are listed.
AQIS STATUS:	IOA is available on request.
NEW ZEALAND:	HSR002526; Hazard Classifications: 6.1D, 8.1A, 8.2C, 8.3A, 9.1D, 9.3C; Group Standard Name: Cleaning Products (Corrosive) Group Standard 2006