1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	**Spa Marvel Cleanseer**
Other means of identification	**Not Available**
Recommended use of the chemical and restrictions on use:	**Spa Plumbing Cleaner**
Supplier:	**Spa Supplies Australia**
Street address:	**81-83 Campbell Street Surry Hills NSW 2010 Australia**
Telephone no.:	**+61416284078**
Fax #	**N/A**
Website:	**www.SpaMarvel.com**
Emergency telephone:	**Poisons Information Centre 13 11 26 (24 hours)**

2. HAZARDS IDENTIFICATION

Classification of the substance mixture:

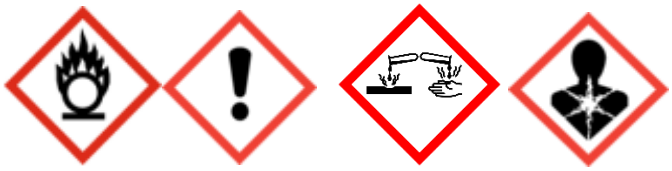
Exempt from the National Transport Commission (Model Legislation — Transport of Dangerous Goods by Road or Rail) Regulations 2007 and the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) when packed in containers holding equal to or less than 500g (i.e., 2 x 226g) per consignment.

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:
Oxidizing solids – Category 3
Corrosive to metals – Category 1
Acute Toxicity – Category 4
Skin Corrosion – Category 1
Serious Eye Damage – Category 1
Specific Target Organ Toxicity (Single exposure) – Category 3
Toxicity to reproduction – Category 1B

The following health hazard categories fall outside the scope of the Workplace Health and Safety Regulations
Not applicable

SIGNAL WORD: DANGER



Hazard Statement(s):

May intensify fire; oxidiser
May be corrosive to metals
Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
May damage fertility or the unborn child.

Precautionary Statement(s):
Prevention:
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep away from clothing and other combustible materials.
Keep only in original packaging.
Avoid breathing dust/ fume/gas/mist/vapours/ spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection, face protection.

Response:
IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Immediately call a POISON CENTRE or doctor.
Rinse mouth.
Specific treatment (see ... on this label).
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use appropriate media to extinguish.
Absorb spillage to prevent materialdamage.

Storage:
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Store in corrosive resistant or container with a resistant inner liner.

Disposal:
Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion (w/w)
Silicic acid, sodium salt	1344-09-8	30 – 60 %
Sodium carbonate	497-19-8	1 – 5 %
Sodium percarbonate	15630-89-4	25 – 30 %
Sodium Tetraborate Decahydrate	1303-96-4	5 – 10 %
Other components are not considered hazardous in this formulation and therefore are not required to be disclosed according to the WHS Regulations.		

4. FIRST AID MEASURES

Contact with combustible material may cause fire. Speed in treatment is essential. If poisoning occurs, contact a Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766 or a doctor. Have this SDS or the label with you.

Inhalation:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
Skin contact:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. Specific treatment is urgent (see this label). Symptoms/effects: Burning pain and severe corrosive skin damage.
Eye contact:	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 CENTER or doctor. Symptoms/effects: Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Ingestion:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
First aid facilities:	Eyewash and normal washroom facilities.

Medical attention and special treatment: Avoid contact with eyes and skin. Wash contaminated clothing before reuse. Keep out of reach of children.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	Recommended: Water spray. Foam. Powder. Carbon dioxide. Unsuitable media: Do not use water jet as an extinguisher, as this will spread the fire.
Hazchem code:	1W
Specific hazards arising from the chemical:	Greatly increases the burning rate of combustible materials. During fire, gases hazardous to health may be formed. Hazardous combustion products may include and are not limited to: Oxides of carbon.
Special protective equipment and precautions for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/ Environmental precautions:	Do not discharge into lakes, streams, ponds or public waters.
Personal precautions/ Protective equipment:	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up:	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Sweep up or vacuum up spillage and collect in suitable container for disposal. Minimize dust generation and accumulation. Wear appropriate protective equipment and clothing during clean-up. Ventilate the contaminated area. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling: Take any precaution to avoid mixing with combustibles. Minimize dust generation and accumulation. Keep away from heat. Wear appropriate personal protective equipment. Provide adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. Wash thoroughly after handling. Observe good industrial hygiene practices. When using do not eat or drink.

Conditions for safe storage, including any incompatibilities: Store in a corrosion resistant container with a resistant inner liner. Store in a cool, dry place out of direct sunlight. Do not store near combustible materials. Keep away from heat. Store in tightly closed container. Store in a well-ventilated place. Keep out of reach of children. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures: No value assigned for this specific material by Safe Work Australia, however the following are the exposure standards for the individual hazardous components as available and set by overseas occupational exposure limits:

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Amorphous silica, precipitated (CAS 112926-00-8)	TWA	4 mg/m3 1.5 mg/m3	Total Respirable.
Sodium Tetraborate Decahydrate (CAS 1303-96-4)	STEL TWA	6 mg/m3 2 mg/m3	Inhalable Inhalable

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

Engineering controls: Ensure adequate ventilation.

Individual protection measures, such as Personal Protective Equipment (PPE):: See container label safety directions. The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.
Observe good standards of hygiene and cleanliness. Always wash hands, arms and face thoroughly with soap and water before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment with detergent and warm water before storage or re-use.

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional.

Eye and face protection: Wear safety glasses with side shields.

Skin protection: Wear appropriate chemical resistant gloves. Confirm with a reputable supplier first. As required by employer code.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Powder, solid
Colour: White
Odour: Odorless
pH: 9 - 11
Specific gravity: Not available
Melting point/Freezing point: Not available
Boiling point/range: Not available

Flammability	Not available
Flash point:	Not available
Lower and upper explosion limit:	Not available
Kinematic viscosity:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Solubility:	Not available
Partition coefficient: n- octanol/water	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Particle characteristics:	Not available
Explosive properties:	Not explosive
Oxidizing properties:	May intensify fire; oxidizer.

10. STABILITY AND REACTIVITY

Reactivity:	May react with incompatible materials. Keep away from combustible material.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials:	Strong acids. Strong oxidizing agents. Combustible material. Reducing agents. Metals.
Hazardous decomposition products:	May include and are not limited to: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Harmful if swallowed.
Amorphous silica, precipitated (CAS 112926-00-8)	
Dermal LD50 Rabbit	> 5000 mg/kg, 24 Hours, ECHA
Inhalation LC50 Rat	> 58.8 mg/L, 4 Hours, ECHA
Oral LD50 Mouse	> 15000 mg/kg, HSDB
	> 3160 mg/kg, ECHA
Rat	> 22500 mg/kg, HSDB
	> 10000 mg/kg, ECHA
Silicic acid, sodium salt (CAS 1344-09-8)	
Dermal LD50 Rat	> 5000 mg/kg, 24 Hours, ECHA
Inhalation LC50 Rat	> 2.1 mg/L, 4 Hours, ECHA
Oral LD50 Mouse	1100 mg/kg, Toxic and Hazardous Industrial Chemicals Safety Manual. Tokyo, Japan
Rat	1.1 g/kg, HSDB
Sodium Tetraborate Decahydrate (CAS 1303-96-4)	
Dermal LD50 Rabbit	> 2000 mg/kg, 24 Hours, ECHA
Inhalation LC50 Rat	> 2.1 mg/L, 4 Hours, ECHA
Oral LD50 Dog	2000 mg/kg, ECHA
Guinea Pig	5330 mg/kg, RTECS
Mouse	2000 mg/kg, HSDB
Rat	2660 mg/kg, RTECS
	396 mg/kg, HSDB
Skin irritation:	Causes severe skin burns and eye damage. Exposure minutes Not available. Erythema value Not available. Oedema value Not available.

Eye irritation:	Causes serious eye damage. Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening value Not available. Conjunctival oedema value Not available. Recover days Not available
Respiratory or skin sensitisation:	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	Not classified.
Reproductive toxicity:	May damage fertility or the unborn child.
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified.
Aspiration hazard:	Not an aspiration hazard.
Chronic health effects:	Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Substance name	Species	Test Results
Silicic acid, sodium salt	Crustacea Fish	0.28 - 0.57 mg/L, 48 hours 1800 mg/L, 96 hours
Sodium carbonate	Crustacea (Crustacea (Ceriodaphnia dubia)	265 mg/L, 48 Hours 156.6 - 298.9 mg/L, 48 hours
Sodium percarbonate	Crustacea	4.9 mg/L, 48 Hours

Persistence/Degradability:	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential:	No data available.
Mobility in soil:	Not available.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents/container in accordance with local/regional/national/international regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Exempt from the National Transport Commission (Model Legislation — Transport of Dangerous Goods by Road or Rail) Regulations 2007 and the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) when packed in containers holding equal to or less than 500g (i.e., 2 x 226g) per consignment. However, if packed in quantities more than 500g then following is the relevant dangerous goods 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; DANGEROUS GOODS	
	UN Number:	UN3085
	Proper Shipping Name or Technical Name:	Oxidizing solid, corrosive, n.o.s.
	Transport Hazard Class:	5.1
	Packaging Group:	III
	Hazchem Code:	1W
Marine Transport:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.	
	UN Number:	UN3085
	Proper Shipping Name or Technical Name:	Oxidizing solid, corrosive, n.o.s.
	Transport Hazard Class:	5.1
	Packaging Group:	III
	IMDG EMS Fire:	F - A
	IMDG EMS Spill:	S - A
Air Transport:	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.	
	UN Number:	UN3085
	Proper Shipping Name or Technical Name:	Oxidizing solid, corrosive, n.o.s.
	Transport Hazard Class:	5.1
	Packaging Group:	III

15. REGULATORY INFORMATION

Poison schedule (SUSMP):	Schedule 5
AICIS:	All the constituents of this material are either listed on the Australian Inventory of Chemical Substances (AICS), not required due to the nature of the chemical, or have been assessed under the Industrial Chemicals Act 1989 as amended.

16. OTHER INFORMATION

General information:	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
Issue number:	001
Issue date:	25 September 2023

In any event, the review and, if necessary, the re-issue of an SDS shall be no longer than 5 years after the last date of issue.

Reason(s) for issue:	First issue and general compliance with Australian WHS Regulations for the preparation of safety data sheets.
Key abbreviations or acronyms used:	ADG Code - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) AICIS - Australian Industrial Chemicals Introduction Scheme (formerly NICNAS)

APVMA – Agricultural Pesticides and Veterinary Medicines Australia
ECHA – European Chemicals Agency
GHS - Globally Harmonised System of Classification and Labelling of Chemicals 7th revised edition) 2017
HSDB - Hazardous Substances Data Bank
IARC - International Agency for Research on Cancer
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (July 2020)
STEL - Short term exposure limit means the average airborne concentration of a substance calculated over a 15 minute period. The STEL should not be exceeded at any time during a normal eight hour working day.
SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons
SWA - Safe Work Australia, formerly ASCC and NOHSC
TGA – Therapeutic Goods Australia
TWA - Time-weighted average means the average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.
WHS – Workplace Health and Safety

The physical values and properties described in this SDS are typical values based on scientific literature and material produced to date, and are believed to be reliable. The manufacturer provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The information is supplied upon the condition that the persons receiving information will make their own determination as to the suitability for their purposes prior to use of this product. Due care should be taken to ensure that the use of this product and its disposal is in compliance with all relevant Federal, State and Local Government regulations.

End of SDS