

Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Date of Issue: 17 September 2024

Product Name: RapidSorb Zeo
Synonym(s): SS-RSZ3; SS-RSZ10
CAS No: 61790-53-2
Formula: Not available.
Product Use(s): Absorbent.
Uses advised against: Use only for intended applications. This product is NOT suitable for user on highly caustic or acidic liquids.

Supplier Contact Details: SpillSafe
PO Box 5592 Brendale BC QLD 4500
Ph: 1300 899 758
Web: www.spill-safe.com.au

Emergency Contact Phone 1300 899 758 or Poisons Information 131126.

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: **Physical Hazards:** Not classified.
Health Hazards: Not classified.
Environmental Hazards: Not Classified.

Label Elements:



GHS-US classification Hazard pictograms (GHS-US)
Not classified.

Hazard Statements:

Signal Word: Warning

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances / Mixtures

Ingredient	CAS Number	Classification	Content
Diatomaceous Earth	61790-53-2	N/A	>100%

The full text for all hazard statements is displayed in Section 16.

4. FIRST AID MEASURES

Description of First Aid Measures

General Information

Eye

Dust or allergy to product matrix may cause irritation. Accidental contact with eyes may cause discomfort due to mechanical irritation. Do not rub eyes. Immediately flush with plenty of water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Inhalation

If inhaled, move to fresh air. Treat symptomatically. Seek medical attention if irritation develops or persists.

Skin

Wash area with soap and water. Seek medical attention if symptoms persist.

Ingestion

If ingested, drink water. Do not induce vomiting. Seek medical attention.

Protection of first aiders

First aid personnel should wear appropriate protective equipment appropriate for surrounding materials.

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Immediate medical attention and special treatment:

Notes for the doctor: Treat symptomatically. No special treatment required.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water, dry-chemical, CO₂, Foam. Prevent contamination of drains or waterways.

Unsuitable extinguishing media N/A

Special hazards arising from the substance or mixture:

Specific hazards: Product is not flammable, however, any liquid it has absorbed may be flammable. Product should be kept away from all ignition sources.

Explosion Hazard: N/A

Reactivity: N/A

Advice for firefighters Avoid inhalation of combusted material.

Special protective equipment for firefighters: Standard firefighting PPE including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Wear gloves, safety glasses and dust mask.

Environmental Precautions: Contain by any means necessary.

Methods of Cleaning Up: Sweep up or vacuum with equipment fitted with HEPA filter. You may use a dust suppressant such as water if preferred. Waste generated from this product would only be considered hazardous when mixed with a substance that would be considered hazardous. Discard according to local authority / regulations.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear Eye Protection and a Dust Mask to avoid dust inhalation and airborne particles.

Condition for safe storage, including any incompatibles: Store in a cool, dry and covered area when not in use. This product is non-toxic, non-biodegradable mineral. Only incompatible is hydrofluoric acid.

Storage Class: Unspecified storage.

Specific end use(s): The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS / PROTECTION

Control parameters: Respirable dust levels should be monitored regularly, dust levels more than appropriate exposure limits could be reduced by all feasible engineering controls, including (but not limited to) wet suppression, adequate ventilation and PPE.

Exposure / Engineering Controls:

PPE:

Eye/Face Wear Safety Glasses or Goggles to protect against dust and airborne particles.

Hands Wear gloves.

Body & Other Skin Wear clothing sufficient to keep dust / fibres off skin.

Respiratory Wear a P1 (Particulate) respirator if an inhalation risk exists.

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**Hygiene Measures**

Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Use of < 35psi air hose to remove light dust from clothing & body. Not regarded as dangerous for the environment.

Environmental Exposure Controls

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance	White or off-white in colour.
Odour	None.
Odour Threshold	Not available.
Flammability	Not flammable.
pH	7.5 – 9.0.
Boiling point	Not available.
Melting point	> 1300°C.
Flash point	Not available.
Freezing point	Not available.
Evaporation rate	Not available.
Solubility (water)	> 1 %.
Vapour pressure	Not available.
Upper Explosion limit	Not available.
Lower Explosion limit	Not available.
Partition coefficient	Not available.
Autoignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive Properties	Not available.
Oxidizing Properties	Not available.

10. STABILITY AND REACTIVITY

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	N/A. Hazardous polymerization cannot occur.
Conditions to avoid:	None according to specified use.
Incompatible materials:	Hydrofluoric acid.
Hazardous decomposition products:	N/A

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	None.
Skin corrosion / irritation	Minimal, blow off or wash off dust from skin.
Serious Eye Damage / irritation	Minimal, flush thoroughly with water.
Respiratory Sensitisation	Minimal.
Skin Sensitisation	Minimal.
Germ cell mutagenicity	Based on available data the classification criteria are not met.

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Carcinogenicity

Based on available data the classification criteria are not met. Not classifiable as carcinogenic to humans.

Reproductive Toxicity - Fertility

Based on available data the classification criteria are not met

Reproductive Toxicity - Development

Based on available data the classification criteria are not met

STOT – single exposure

Not classified as causing organ damage from single exposure.

STOT – repeated exposure

Not classified as causing organ damage from repeated exposure.

Aspiration

Minimal, wear dust mask / respirator.

General Information

No specific health hazards known. The severity of the symptoms described will vary dependent of the concentration and length of exposure.

Inhalation

No specific symptoms known.

Ingestion

No specific symptoms known.

Skin Contact

No specific symptoms known. May cause discomfort.

Eye Contact

No specific symptoms known. May be slightly irritating to eyes, cause redness or watery eyes.

Route of entry

Ingestion, inhalation, skin and / or eye contact.

Target Organs

No specific target organs known.

12. ECOLOGICAL INFORMATION

Toxicity

Product considered chemically inert in the environment. Used material that has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

Waste Treatment methods**General Information**

Abide by local regulations.

Disposal methods

Abide by local regulations.

Legislation

Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
Transport Hazard Class	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated

Environmental hazards

Not applicable.

Special precautions for user

Not applicable.

Hazchem code

None Allocated

15. REGULATORY INFORMATION

Safety health and environmental regulations / legislation specific for the substance or mixture**Poison schedule**

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

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Classifications

Safety Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (2004)].

Hazard codes

None allocated.

Risk phrases

None allocated.

Safety phrases

None allocated.

Inventory listings

AUSTRALIA: AICS (Australian Inventory of Chemical Substances): All components are listed on AICS, or are exempt.
EUROPE: EINECS (European Inventory of Existing Chemical Substances)

All components are listed on AICS, or are exempt.

TCSA: This material is listed in the TCSA Inventory and is not otherwise by TCSA sec 4, 5, 6, 7 or 12.

16. OTHER INFORMATION

Additional information:

ONLY TRAINED PERSONNEL SHOULD USE THIS MATERIAL.

WORKPLACE CONTROLS AND PRACTICES:

Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ):

Exposure standards are established on the premise of an 8-hour work period of normal intensity, under normal climatic conditions and where a 16-hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

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It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number – used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonised System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
Mg/m ³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	Relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline).
PPM	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

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[End of SDS]