

Safety Data Sheet



EutroSORB® WC

EutroSORB is a registered trademark of SePRO Corporation

SECTION 1. IDENTIFICATION

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| Product Name: | EutroSORB® WC |
| Product Use: | Aqueous phosphorous reduction media |
| Supplier Identification: | SePRO Corporation 11550 North Meridian Street, Suite 600 Carmel, IN 46032 Phone 317-580-8282 / Toll Free 1-800-419-7779 Monday - Friday, 8 am to 5 pm EST Fax 317-580-8290 www.sepro.com |

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| Emergency Telephone | INFOTRAC 24-hour service 1-800-535-5053 |
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The following recommendations for exposure controls and personal protection are intended for the manufacture, formulation, and packaging of this product. For application and/or use, consult the product label. The label directions supersede the text of this SDS for application and/or use.

SECTION 2. HAZARD IDENTIFICATION

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| GHS Classification | |
| Serious Eye Damage/Irritation | Category 1 |
| Skin Corrosion/Irritation | Category 2 |
| Skin Sensitization | Category 1 |
| Aquatic Acute | Category 3 |

GHS label elements Hazard Pictogram:



Signal Word: DANGER

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| Hazard statements | H315: Causes skin irritation H317: May cause an allergic skin reaction H318: Causes serious eye damage H402: Harmful to aquatic life |
| Precautionary Statements | P260: Do not breathe dust/fume/gas/mist/vapors/spray P264: Wash hands thoroughly after handling. P265: Do not touch eyes P272: Contaminated work clothing should not be allowed out of the workplace P280: Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting P302+P361+P354: IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P317: If skin irritation or rash occurs: Get medical help P362+P364: Take off contaminated clothing and wash it before reuse P405: Store locked up P501: Place contaminated materials in disposal containers and dispose of in a manner consistent with applicable regulations. |

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name | CAS Number | Percent (% weight) |
|--------------------------------|---------------------------|---------------------------|
| Phosphorus Binding Compound 1* | Proprietary, Trade Secret | 20 - 40% |
| Phosphorus Binding Compound 2* | Proprietary, Trade Secret | 8 - 30% |
| Proprietary Ingredient* | Proprietary, Trade Secret | ≤ 1% |
| Proprietary Ingredient* | Proprietary, Trade Secret | ≤ 1% |
| Water | 7732-18-5 | 30 - 70% |

*Ingredient names withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

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| Eye | For direct eye contact, immediately hold eyelids apart and flush the affected eye(s) continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from the eye(s) and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised by the Poison Center/doctor, or for at least 15 minutes. Seek immediate medical attention. |
| Skin | For skin or hair contact, immediately flush affected area(s) with large amounts of water, using safety shower if available. Quickly remove all contaminated shoes, clothing, and restrictive jewelry. If skin surface is damaged, apply a clean dressing, and seek immediate medical attention. If skin surface is not damaged, cleanse the affected area(s) thoroughly by washing with mild soap and water. Continue flushing until advised by the Poison Center/doctor, or for at least 15 minutes. Seek immediate medical attention. |
| Inhalation | No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. |
| Ingestion | No specific first aid measures are required. If swallowed do NOT induce vomiting. As a precaution, get medical advice. |

SECTION 5. FIRE FIGHTING MEASURES

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| Flash Point | Not applicable. |
| Flammable Limits | Not applicable. |
| Suitable extinguishing media | If this material is involved in a fire, use water fog, foam, dry chemical or carbon dioxide to extinguish flames. |
| Unusual fire and explosion data/ Specific hazards | None known. |
| Special protective actions for firefighters | None known. This material will not burn. |

SECTION 6. ACCIDENT RELEASE MEASURES

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| Personal precautions | Prevent contact with skin or eyes. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. |
| Environmental precautions | Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. |
| Containing environmental effects | Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. |
| Measures when handling spilled substance | Clean up spill as soon as possible, observing precautions in Section 8 . Use appropriate techniques such as applying non- combustible absorbent materials or pumping. |
| Reporting | Report spills to local authorities and/or the U.S. Guard's National Response Center at (800) 424-8802 as appropriate or required. |

SECTION 7. HANDLING AND STORAGE

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| Precautions for safe handling | Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water other than those being treated. |
| Reporting | Store in a closed container. Store in a cool, well-ventilated area. |

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Note: This material is a liquid that is not expected to form dust or volatiles

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| Appropriate engineering controls Work/Hygienic practices | Consider the potential hazards of this material, applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective |
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Ventilation
Other equipment

equipment listed below is recommended.

Use in a well-ventilated area.

The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Environmental protection

Take measures to prevent material from being released to soil, water, or air. Where feasible and appropriate, remove contaminated soil if released to ground. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Individual protection measures - Personal protective equipment (PPE)

Eye/Face Protection

The use of a face shield and/or chemical goggles to safeguard against potential eye contact, irritation, or injury is recommended.

Hands/Skin Protection

The use of gloves impermeable to the specific material handled is advised to prevent skin contact, possible irritation, absorption, and skin damage (i.e., Nitrile gloves) – see glove manufacturer literature for permeability information. Depending on use conditions, apron, arm covers, or other impervious clothing may be necessary

Respiratory Protection

None required where adequate ventilation conditions exist.

Thermal Hazards

None known.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Note: The data below are typical values and do not constitute a specification.

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| Physical state: | Liquid | Vapor density (Air = 1): | Not applicable |
| Color: | Blue | Specific gravity (Water = 1): | 1.28-1.63 solution @ 20°C |
| Odor/Odor threshold: | Mild | Density | 1.26 – 1.63 g/cm ³ |
| pH: | 3.0-4.0 | Partition Coefficient: n-octanol/water | Not applicable |
| Freezing point: | - 40°C (- 40°F) | Water solubility: | High |
| Boiling point/range: | >100°C (>212°F) | Autoignition Temperature: | Not applicable |
| Flash point: | Not applicable | Decomposition Temperature: | Not applicable |
| Evaporation rate: | Not available | Viscosity: | Not applicable |
| Flammability: | Non-flammable | Oxidizing properties: | Not applicable |
| Upper/lower flammability Limits | Non-flammable | Molecular Weight | Proprietary |
| Vapor pressure: | Not applicable | Bulk density: | Not available |

SECTION 10. STABILITY AND REACTIVITY

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| Reactivity | This material is considered stable under normal storage and handling. |
| Chemical stability | This material is considered stable under normal storage and handling conditions. |
| Possibility of hazardous reactions | Product testing indicates that the mixture does not meet classification criteria for corrosion to metals. However, some ingredients may be corrosive to metals in the purified form. Caution should be taken when storing in metal containers for extended periods of time. |
| Incompatibility | Incompatible with oxidizing reagents, can generate hazardous chlorine gas. |
| Hazardous decomposition products | See above. |

SECTION 11. TOXICOLOGICAL INFORMATION

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| Likely routes of exposure | Eye and skin contact. |
| Signs and symptoms of overexposure | Eye and skin irritation |
| Acute Effects | |
| Oral toxicity | Oral LD ₅₀ (rat) >5,000 mg/kg |
| Inhalation toxicity | Not likely route of exposure. No information found. |
| Dermal toxicity | Not expected to be acutely toxic based on available data. |
| Skin irritation | Can cause skin irritation. |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Skin sensitization | May cause an allergic skin reaction |
| Respiratory sensitization | No data available |

Other Health Effects

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| Specific target organ toxicity (repeated exposure) | Chronic oral exposure to the ingredients in this product may cause toxic effects to the liver and spleen based on experimental animal data. |
| Mutagenicity | The ingredients within this product were negative in the Ames bacterial mutagenic test using bacterial strains TA135, TA1537, TA98, TA100, TA102, and W P2uvrA. |
| Carcinogenicity | Not assessed by IARC, NTP or USEPA for carcinogenicity |
| Medical conditions aggravated by exposure | Preexisting diseases of the liver or spleen. |
| Additional Information | None - Proprietary information. |

References:

ECHA Registered Substances Database. May 2022.

Product Safety Labs. Primary Skin Irritation in Rabbits. April 20, 2022.

SECTION 12. ECOLOGICAL INFORMATION

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| Ecotoxicity | | |
| Toxicity to fish | Fathead Minnow | 96-hour LC ₅₀ : 191 mg/L 96-hour NOEC: 125 mg/L |
| Toxicity to daphnia | Ceriodaphnia dubia | 48-hour LC ₅₀ : 16.4 mg/L 48-hour NOEC: 7.8 mg/L |
| Persistence and biodegradability | This proprietary product is not expected to be readily biodegradable. | |
| Bioaccumulation | No data available. | |
| Mobility in soil | No data available. | |
| Other ecological data | No data available. | |

SECTION 13. DISPOSAL CONSIDERATIONS

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| Disposal methods | Use material for its intended purpose or recycle if possible. This material if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste federal law requires disposal at a licensed hazardous waste disposal facility. Chemical additions, processing or otherwise altering this material may make waste management information presented in the SDS incomplete. |
| Container | Place contaminated materials in disposal containers and dispose of in a manner consistent with applicable regulations. |

SECTION 14. TRANSPORT INFORMATION

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| Agency: | Shipping Description: |
| DOT | NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER DOT 49 CFR |
| IMO/IMDG | NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE |
| ICAO/IATA | NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO |

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| UN / NA Number | Not classified |
| Proper shipping name | Not classified |
| Hazard class | Not classified |
| Packing group | Not classified |
| Environmental hazards | Not classified |
| Transport in bulk | Not classified |
| Special precautions for user | Not classified |

SECTION 15. REGULATORY INFORMATION

Chemical safety report

None available.

United States Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA)

This material is not listed under CERCLA and has no reportable quantity.

Clean Water Act (CWA)

Not listed.

Clean Air Act (CAA)

Not listed.

Superfund Amendments and Reauthorization Act (SARA) Title III Information

SARA 302 Components

No chemicals listed are subject to reporting requirements of S.302

SARA 313 Components

No chemicals listed exceed threshold reporting levels.

SARA 311 / 312 Hazards

Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act

This material is listed on the TSCA inventory

State and Other:

California

This material is not listed under Proposition 65 (CA Health & Safety Code Section 25249.5)

Massachusetts:

Not listed.

New Jersey

Not listed.

IARC

Not listed.

NTP

Not listed.

REGULATORY LISTS SEARCHED

01-1=IARC Group 1

03=EPCRA 313

01-2A=IARC Group 2A

04=CA Proposition 65

01-2B=IARC Group 2B

05=MA RTK

02=NTP Carcinogen

06=NJ RTK

SECTION 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Ratings: This information is provided solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 0

Reactivity: 0



Acronyms and abbreviations that may have been used in this document:

ACGIH: American Conference of Government Industrial Hygienists

LLV: Level Limit Values

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| ADR: Accord Dangereux Routier | LOEC: Lowest Observed Effect Concentration |
| ADNR: Regulation for the carriage of dangerous substances on the Rhine | LV: Limit Values |
| ÁK: Average Concentration | MAC: Maximum Acceptable/Admissible Concentration |
| CAS: Chemical Abstract Service Number | MAK: Maximale Arbeitsplatzkonzentration |
| CAA: Clean Air Act | NOEC: No Observed Effect Concentration |
| CMP: Concentración Máxima Permissible | NRC: Nuclear Regulatory Commission |
| CWA: Clean Water Act | NTP: National Toxicology Program (US) |
| EC: European Community | OEL: Occupational Exposure Limit |
| EINECS: European Inventory of Existing Chemical Substances | ONU: United Nations number |
| ELINCS: European List of Notified Chemical Substances | OSHA: Occupational Safety and Health Administration |
| EPCRA: Emergency Planning and Community Right To Know Act | PPE: Personal Protective Equipment |
| GHS: Global Harmonized System | RID: International rule for transport of dangerous substances by Rail |
| IARC: International Agency for Research on Cancer | RTK: Right to Know |
| IATA: International Air Transport Association | SARA: Superfund Amendment and Reauthorization Act |
| GHS: Global Harmonized System | SDS: Safety Data Sheet |
| IARC: International Agency for Research on Cancer | TGG-8hr: Tijd Gewogen Gemiddelde-8 hour |
| IATA: International Air Transport Association | TWA: Time Weighted Average |
| IC25: Inhibiting Concentration 25% | TWA-8hr: Time Weighted Average-8 hour |
| ICAO: International Civil Aviation Organization (UN) | USEPA: United States Environmental Protection Agency |
| IMO: International Maritime Organization | VLA-ED: Valor límite ambiental de exposición diaria |
| IMDG: International Maritime Dangerous Goods | VLE: Valeur Limite d'Exposition |
| IPRV: Ilgalaikio poveikio ribine verte | VLEP: Valeurs Limites d'Exposition Professionnelle |
| LC50: Lethal Concentration 50% | VME: Valeur Limite de Moyenne d'Exposition Professionnelle |
| LD50: Lethal Dose 50% | WGK: Wassergefährdungsklasse (Water Hazard Classes) |

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