

Safety Data Sheet



EutroSORB® WC

EutroSORB is a registered trademark of SePRO Corporation

SECTION 1. IDENTIFICATION

Product Name: EutroSORB® WC
Product Use: Aqueous phosphorous reduction media
Supplier Identification: SePRO Corporation
11550 North Meridian Street, Suite 600
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Phone 317-580-8282 / Toll Free 1-800-419-7779
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Emergency Telephone INFOTRAC 24-hour service 1-800-535-5053

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

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

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

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

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

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

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

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.

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

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

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

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

Ecotoxicity	
Toxicity to fish	Fathead 96-hour LC ₅₀ : 191 mg/L Minnow 96-hour NOEC: 125 mg/L Rainbow Trout 96-hour LC ₅₀ : 18.7 mg/L 96-hour NOEC: 5.0 mg/L
Toxicity to daphnia	Ceriodaphnia 48-hour LC ₅₀ : 16.4 mg/L dubia 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

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

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

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.
<u>United States Federal Regulations:</u> 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
<u>State and Other:</u>	
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

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)

Version 3**Creation Date:** 01/21/2022**Revision Date:** 05/15/2023

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