

# SAFETY DATA SHEET

Revision Date: 11/20/2019



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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Petrichor  
**PRODUCT CODES:** D506  
**EPA REGISTRATION NO:** not applicable

**USES OF THE SUBSTANCE:** Various agricultural applications  
**RESTRICTIONS ON USE:** See product label for restrictions

**INFORMATION ON SUPPLIER**  
**SUPPLIER:** CHS, Inc.  
**ADDRESS:** 5500 Cenex Drive  
Inver Grove Height, MN 55077

**EMERGENCY TELEPHONE NO:** CHEMTREC(800)424-9300

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## SECTION 2: HAZARDS IDENTIFICATION

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FOR EPA FIFRA-SPECIFIC INFORMATION SEE SECTION 15

**CLASSIFICATION:** Not classified

**LABEL ELEMENTS:** None

**SIGNAL WORD:** None

**HAZARD STATEMENTS:** None

**PRECAUTIONARY STATEMENTS:** P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood  
P261: Avoid breathing mist/vapors/spray.  
P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P304+340: IF INHALED: REMOVE VICTIM to fresh air and keep at rest in a position comfortable for breathing  
P312: Call a POISON CENTER if you feel unwell.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P337+313: If eye irritation persists get medical advice/attention.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):** Microorganisms may have the potential to provoke sensitizing reactions  
Proteins may have the potential to provoke sensitizing reactions  
Preservative component may induce skin sensitization  
This product has not been completely analyzed and all of the hazards may not be known. Please use caution when handling this product

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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ACTIVE INGREDIENTS:	Concentration % by weight	CAS-NO.
Fatty esters	<60-80%	N/A
Soybean Oil	<40-20%	8001-22-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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## SECTION 4: FIRST AID MEASURES

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**DESCRIPTION OF FIRST AID MEASURES:**

**GENERAL:** If you feel unwell, seek medical advice

**INHALATION:** Move victim to fresh air. If irritation persists, contact medical personnel. If the person is not breathing, call 911 and/or ambulance and give artificial respiration.

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**EYES:** Promptly rinse eyes with plenty of water for at least 15-20 minutes. Remove contact lenses if present after 5 minutes and continue rinsing eyes. If irritation persists, seek medical attention.

**SKIN:** Promptly wash off with soap and plenty of water. Remove contaminated clothing and shoes, wash before reuse. If redness, itching, or burning sensation develops, seek medical attention.

**INGESTION:** Clean mouth with water. Call POISON CONTROL CENTER. Seek medical advice/attention if you feel unwell.

## **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS:** Not Applicable

**SYMPTOMS AFTER SKIN CONTACT:** Not Applicable

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:** No supplementary information available

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## **SECTION 5: FIREFIGHTING MEASURES**

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### **EXTINGUISHING MEDIA:**

**SUITABLE EXTINGUISHING MEDIA:** AFFF foam. BC powder. Carbon dioxide. Dry sand. Dry chemical powder. Adapt extinguishing media to the environment.

**UNSUITABLE EXTINGUISHING MEDIA:** Solid waterjet ineffective as extinguishing medium.

### **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

**EXPLOSION HAZARD:** Not applicable

**REACTIVITY:** On burning: release of carbon monoxide – carbon dioxide.

**FLASH POINT:** 125°C (ASTM D92)

**ADVICE FOR FIREFIGHTERS:** No supplementary information available.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

**PRECAUTIONS:** Mark the danger area. Exposure to heat: have neighborhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes.

### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:**

**METHODS FOR CLEAN UP:** Clean contaminated surfaces with an excess of water and soap solution. Take up liquid spill into inert absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.

**PERSONAL PRECAUTIONS:** See "Material-Handling" to select protective clothing.

**ENVIRONMENTAL PRECAUTIONS:** Prevent soil and water pollution.

**REFERENCE TO OTHER SECTIONS:** Information regarding protective measures, see section 8".  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal see section 13.

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## **SECTION 7: HANDLING AND STORAGE**

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### **PRECAUTIONS FOR SAFE HANDLING AND STORAGE:**

**HANDLING:** Keep  $\geq 10^{\circ}\text{C}$  above melting point

**HYGIENE MEASURES:** Remove Personal Protective Equipment (PPE) immediately after handling. Wash hands and other exposed areas with soap and water after handling before drinking, eating, smoking, or applying cosmetics and when leaving work.

**STORAGE:** Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

**INCOMPATIBLE MATERIALS:** KEEP SUBSTANCE AWAY FROM: ignition sources. (strong) acids. (strong) bases.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>CONTROL PARAMETERS:</b>	No additional information available
<b>ENGINEERING CONTROLS:</b>	Ensure adequate ventilation and maintain good industrial hygiene and safety practices.
<b>RESPIRATORY PROTECTION:</b>	None is needed under adequate ventilation conditions.
<b>EYE PROTECTION:</b>	Wear approved safety glasses with side shields.
<b>SKIN PROTECTION:</b>	Wear suitable protective clothing, Wear nitrile, neoprene, or rubber protective gloves. Wash hands after use.
<b>OTHER INFORMATION:</b>	Follow manufacturer's instructions for cleaning/maintaining PPE. Wear clothing appropriate to for all working conditions and all chemicals being handled. Do not eat, drink or smoke during use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear liquid, light yellow to amber
<b>ODOR:</b>	Characteristic odor. Sweet odor.
<b>ODOR THRESHOLD:</b>	No data available
<b>PHYSICAL STATE:</b>	Liquid
<b>pH AS SUPPLIED:</b>	5.0-8.0
<b>BOILING POINT:</b>	No data available
<b>MELTING POINT:</b>	No data available
<b>FREEZING POINT:</b>	No data available
<b>VAPOR PRESSURE (mmHg):</b>	No data available
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	No data available
<b>EVAPORATION RATE:</b>	No data available
<b>SOLUBILITY IN WATER:</b>	Miscible with water
<b>DECOMPOSITION TEMPERATURE:</b>	No data available
<b>DENSITY:</b>	ca. 0.887- 0.899 g/cm <sup>3</sup>
<b>PERCENT VOLATILE:</b>	No data available
<b>VISCOSITY:</b>	No data available
<b>FLASH POINT:</b>	No data available
<b>AUTO-IGNITION TEMPERATURE:</b>	> 250°C
<b>LOWER EXPLOSION LIMIT:</b>	No data available
<b>UPPER EXPLOSION LIMIT:</b>	No data available
<b>EXPLOSIVITY:</b>	No data available
<b>OTHER INFORMATION:</b>	Soluble in oils/fats. Soluble in most organic solvents
<b>VOC Content:</b>	< 1% (1999/13/EC; 2004/42/EC;2010/75/EU; SR 814.018)

## SECTION 10: STABILITY AND REACTIVITY

<b>REACTIVITY:</b>	On burning; release of (carbon monoxide – carbon dioxide).
<b>STABILITY:</b>	Stable under normal conditions.
<b>CONDITIONS TO AVOID:</b>	No supplementary information available.
<b>INCOMPATIBILITY (MATERIAL/CONDITIONS TO AVOID):</b>	No supplementary information available.
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	No supplementary information available.
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	No supplementary information available.

## SECTION 11: TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:** Not classified

Self emulsifiable esters of rapeseed oil	
LD50 oral rat	> 2000 mg/kg Non-toxic
Fatty esters	
LD50 oral rat	> 5000 mg/kg Non-toxic

<b>SKIN CORROSION/IRRITATION:</b>	Not classified
<b>EYE IRRITATION:</b>	Not classified
<b>SKIN IRRITATION:</b>	Not classified
<b>INHALATION:</b>	Not classified

### INFORMATION ON TOXICOLOGICAL EFFECTS:

<b>GERM CELL MUTAGENICITY:</b>	Not classified
<b>REPRODUCTIVE:</b>	No data available
<b>SPECIFIC ORGAN TOXICITY:</b>	No data available

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**ASPIRATION HAZARD:** No data available

**FURTHER INFORMATION:** This product is for experimental purposes only. To the best of our knowledge, the chemical, physical, and toxicological properties have not been fully investigated.

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## SECTION 12: ECOLOGICAL INFORMATION

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### ECOLOGICAL INFORMATION:

#### Toxicity:

Ecology-general According to literature: no environmental hazard. No data available on ecotoxicity

Ecology – air No supplementary information available.

Ecology – water No bioaccumulation data available.

Self emulsifiable esters of rapeseed oil	
LC50 fish 1	> 100 mg/l (OECD 203)
EC50 Daphnia 1	> 100 mg/l (OECD 202; 48h)
ErC50 (algae)	> 100 mg/l (OECD 201; Selenastrum Capricornutum)

### PERSISTENCE AND DEGRADABILITY:

Self emulsifiable esters of rapeseed oil	
Biodegradation	> 90 % (CEC L-33-T-82)

### BIOACCUMALITIVE POTENTIAL:

Fatty esters	
Log Pow	> 5

### MOBILITY IN SOIL:

Self emulsifiable esters of rapeseed oil	
Ecology - soil	Biodegradability in soil: no data available.

**OTHER ADVERSE EFFECTS:** No additional information available

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Prevent dispersion by covering with dry absorbent, scoop solid spill into closing containers, scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water and soap solution. Wash clothing and equipment after handling.

**CONTAMINATED PACKAGING:** Triple rinse containers. Do not reuse empty containers.

**ECOLOGY WASTE MATERIALS:** Do not discharge into drains or the environment. Remove to an authorized waste-treatment plant.

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## SECTION 14: TRANSPORT INFORMATION

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### DEPARTMENT OF TRANSPORTATION (DOT)

**SHIPPING DATA:** Not dangerous goods

**CANADIAN TDG:** Not dangerous goods

**TRANSPORT BY SEA:** No additional information available

**TRANSPORT BY AIR:** No additional information available

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## SECTION 15: REGULATORY INFORMATION

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### US FEDERAL REGULATIONS:

**TSCA:** All components of this product are exempt from listing on the United States EPA TSCA Chemical Inventory and not otherwise regulated by TSCA

**SARA 302:** No components of this mixture exceed the threshold reporting requirements of SARA Title III, Section 302

**SARA 313:** No components of this mixture with known CAS numbers are present in concentrations exceeding the threshold subject to the reporting requirements of SARA Title III, Section 313

**EPA:** Hazardous Substance: Not applicable  
Reportable Quantity: Not applicable

**US DPT OF HOMELAND SECURITY:** No components of this mixture are above the Screening Threshold Quantity of the DH Chemical

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**CALIFORNIA PROPOSITION 65:** Facility Anti-Terrorism Standard.  
No components of this mixture are known to the State of California to cause cancer, birth defects, or any other reproductive harm.

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## SECTION 16: OTHER INFORMATION

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**ABBREVIATIONS AND ACRONYMS:** CAS – Chemical Abstracts Service. GHS – Globally Harmonized System. HCS – Hazard Communication Standard. OSHA – Occupational Safety and Health Administration. EPA – Environmental Protection Act.

**VERSIONS** 02/09/2018 –precautionary statements; 01/18/2019 – product codes

**DISCLAIMER:** Read and follow all label directions and precautions before using the product. These products are intended for agricultural use only. **NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.** While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes any legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of the data and information must be determined by the user to be in accordance with the applicable Federal, State, and local laws and regulation.