

# SAFETY DATA SHEET

DATE REVISED: 7/31/2019

SDS NUMBER: 10441

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CHS<sup>®</sup> PENETREC<sup>™</sup>  
**DESCRIPTION:** Agricultural Adjuvant

**MANUFACTURED FOR:** CHS Inc.  
5500 Cenex Drive  
Inver Grove Heights, MN 55077

**EMERGENCY CONTACT:** In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals – call **CHEMTREC (800) 424-9300**

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

Acute toxicity:

Oral (category 5) – may be harmful if swallowed

Dermal (category 5) – may be harmful if in contact with skin

Inhalation (category 5) – may be harmful if inhaled

Skin irritation (category 2) – causes skin irritation

Serious eye damage / eye irritation (category 2b) – causes eye irritation

**GHS Label:**



**Signal Word: WARNING**

**Precautionary Statements:****General:**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Wash face and hands thoroughly after handling.

**Response:**

**IF SWALLOWED:** Call a POISON CENTER / doctor / seek medical attention if you feel unwell.

**SKIN CONTACT:** Call a POISON CENTER / doctor / seek medical attention if you feel unwell.

If skin irritation occurs: Get medical advice / attention.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

If eye irritation persists: Get medical advice / attention.

**IF INHALED:** Call a POISON CENTER / doctor / seek medical attention if you feel unwell.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS Number	Percentage
Soybean Oil	8001-22-7	>45%
Proprietary Surfactant Blend	N/A	<55%

**4. FIRST AID MEASURES**

**EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN:** Immediately take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation occurs, seek medical attention/advice. Call a poison control center or doctor for treatment advice.

**INHALED:** Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for treatment advice.

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have the person rinse mouth and sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use dry chemical, foam, or carbon dioxide (CO<sub>2</sub>)

**FIRE FIGHTING PROCEDURES:** Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.

**FIRE FIGHTING EQUIPMENT:** As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel

**PERSONAL PROTECTIVE EQUIPMENT:** For incidental releases use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations

**ENVIRONMENTAL PRECAUTIONS:** Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance

**CONTAINMENT AND CLEANUP:** Absorb spilled liquid with polypads or other absorbent materials. Clean up with non-combustible absorbent (such as sand or soil). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal

## 7. HANDLING AND STORAGE

**HANDLING:** Follow all SDS / label precautions when using this product. Do not reuse the container.

**STORAGE:** Store in a cool dry location. Keep away from heat, open flames, or sources of ignition

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash station, safety shower, and mechanical ventilation

**Exposure Limits:** As an airborne mist containing vegetable oil, exposure limits pertaining to "vegetable oil mist" have been provided below

Chemical Name	ACGIH TLV	OSHA PEL	MEXICO	NIOSH
vegetable oil mist	TVL: 10 mg/m <sup>3</sup>	TWA:5 mg/m <sup>3</sup> , mist, respirable fraction. TWA: 15 mg/m <sup>3</sup> mist, total	TWA: 10 mg/m <sup>3</sup> except irritant oils	TWA: 10 mg/m <sup>3</sup> total mist. TWA: 5 mg/m <sup>3</sup> respirable mist

**Ventilation System:** A system of local and / or general exhaust may be necessary to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**Personal Respirators (NIOSH Approved):** An approved NIOSH respirator should be used when exposure standard is exceeded.

**Eye Protection:** Wear OSHA standard chemical splash goggles

**Skin Protection:** Clean body-covering clothing. Use impervious gloves such as neoprene.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, amber to straw colored liquid
Odor	Slight Vegetable Oil
pH	Not Determined
Freeze / Melting Point	Not Determined
Boiling Point / Range	Not Determined
Specific Gravity (20°C)	0.93 – 1.01
Flash Point	> 100°C
Color (Gardner)	Not Determined
Solubility in Water	Dispersible

Viscosity	Not Determined
Odor Threshold	Not Determined
Evaporation Rate	Not Determined
Upper / Lower Flammability Limits	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not Determined
Partition Coefficient	Not Determined
Auto-Ignition Point	Not Determined
Decomposition Temperature	Not Determined

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable at ambient temperatures and atmospheric pressure

**CONDITIONS TO AVOID:** Strong oxidizing agents. Isolate from open flames and heat. Keep material away from aluminum metal, oleum and nitroform

**HAZARDOUS DECOMPOSITION:** Combustion may yield carbon oxides and other hazardous gas

**HAZARDOUS POLYMERIZATION:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

### ACUTE:

**Eye** – will cause irritation to eyes including redness, tearing, blurred vision and discomfort.

**Skin** – may cause irritation to skin including defatting and dermatitis. Prolonged exposure may cause more severe irritation such as local redness and swelling. Absorption through skin increases exposure.

**Inhalation** – may irritate the respiratory tract and cause discomfort to nose and throat.

**Ingestion** – Swallowing can cause severe abdominal irritation, nausea, vomiting and diarrhea. Do not taste or swallow product.

**Chronic exposure:** no data available

**Aggravation of pre-existing conditions:** no data available

**Specific Target Organ Toxicity – Single Exposure:** no data available

**Specific Target Organ Toxicity – Repeated Exposure:** no data available

**Germ Cell Mutagenicity:** no data available

**Reproductive Toxicity:** no data available

**Aspiration Hazard:** no data available

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** None Available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Do not contaminate water, food, or feed by disposal

**PRODUCT DISPOSAL:** Disposal of contents / container must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

**EMPTY CONTAINER:** Empty containers must be handled properly due to product residue

## 14. TRANSPORTATION INFORMATION

**SHIPPING DESCRIPTION:** Not Regulated for ground transportation by US DOT

## 15. REGULATORY INFORMATION

### **SARA TITLE III (Superfund Amendments and Reauthorization Act)**

**311 / 312 Hazard Categories** – Acute and Chronic Health Hazard

**313 Reportable Ingredients** - None

**302 / 304 Emergency Planning** – None

### **CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT**

**(PROPOSITION 65)** – This product contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

**TRACE ELEMENTS:** Trace ingredients (if any) are present in < 1% concentration (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute a significant additional hazard at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), US State equivalents, and Canadian Hazardous Material Identification System Standard (CPR 4)

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** Initial

**APPROVAL BY:** Technical Services Manager

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