

SAFETY DATA SHEET

SDS DATE: 9/22/2016

CROP OIL

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CROP OIL

DISTRIBUTOR: CHS Inc
ADDRESS: 5500 Cenex Drive • Inver Grove Heights, MN 55077
PHONE: 651-355-6000

EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Crop oil concentrate
CHEMICAL FORMULA: Mixture

PRODUCT USE: Agricultural adjuvant oil

SECTION 1 NOTES: None

SECTION 2: HAZARDS IDENTIFIED

GHS Ratings:

Toxicity Categories: NONE

Signal Word: NONE

Hazard Symbol: NONE

GHS Hazards

Precautions

P102 Keep out of reach of children.
P103 Read label before use.
P233 Keep container tightly closed.
P234 Keep only in original container.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P281 Use personal protective equipment as required.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P362 Take off contaminated clothing and wash it before reuse.
P403+235 Store in a well ventilated place. Keep cool.

SECTION 3: INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Distillates, petroleum, hydrotreated light	64742-58-1	80 – 90%
Proprietary	Proprietary	10 – 20%

NOTE: Product does NOT contain any pesticides or pest control agents.

SECTION 3 NOTES: These specific chemical identity and or exact percentage (concentration) of composition has been withheld as a trade secret.

CARCINOGENICITY

OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

SAFETY DATA SHEET

SDS DATE: 9/22/2016

RENDUR™ CROP OIL

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment.

EYE CONTACT - Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.

SKIN CONTACT - Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. Call a poison center or physician to specify the appropriate source of emergency medical advice.

INGESTION - Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person. Immediately call a poison center or physician to specify the appropriate source of emergency medical advice. DO NOT INDUCE VOMITING.

INHALATION - If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: -

IN CASE OF FIRE: Carbon dioxide, dry chemical powder, chemical foam or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fire fighting in confined space.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Burning decomposition or combustion products may be toxic. Empty containers may retain residue and may be dangerous. Heated containers may rupture.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon monoxide.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 6 NOTES: None

SECTION 7: HANDLING AND STORAGE

HANDLING Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use personal protective equipment as required.

STORAGE: Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

SECTION 7 NOTES: None

SAFETY DATA SHEET

RENDUR™ CROP OIL

SDS DATE: 9/22/2016

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

VENTILATION: Normal room ventilation (mechanical) or outdoor use should be satisfactory.

RESPIRATORY PROTECTION: Wear a NIOSH/OSHA approved respirator, approved for use with propionic acid, if necessary.

EYE PROTECTION: Safety glasses.



SKIN PROTECTION: Hydrocarbon resistant gloves, long-sleeved shirts and pants.



OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash and safety shower should be easily accessible.

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES: If exposed, see section 4 for acute exposure first aid.

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to amber liquid

ODOR: Slight
ORDER THRESHOLD: Not known

PHYSICAL STATE: Liquid

pH AS SUPPLIED: Not applicable
pH (Other):

INITIAL BOILING POINT: F: Unknown
C: Unknown

BOILING POINT RANGE: F: Unknown
C: Unknown

MELTING POINT: F: Unknown
C: Unknown

FREEZING POINT: F: Unknown
C: Unknown

FLASH POINT: F: >200
C: >93

METHOD USED: PMCC

FLAMMABILITY (solid, gas):

FLAMMABLE LIMITS IN AIR, UPPER: Unknown
(% BY VOLUME) **LOWER:** Unknown

VAPOR PRESSURE (mmHg): @
F: Unknown
C: Unknown

VAPOR DENSITY (AIR = 1): @
F: Unknown
C: Unknown

RELATIVE DENSITY: 0.862 to 0.880

EVAPORATION RATE: Unknown
BASIS (butyl acetate=1):

SOLUBILITY IN WATER: Dispersible

PARTITION COEFFICIENT: (n-octanol/water): Unknown

AUTO-IGNITION TEMPERATURE: Unknown

DECOMPOSITION TEMPERATURE: Unknown

VISCOSITY: @ Not determined
F: Unknown
C: Unknown

SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

SAFETY DATA SHEET

RENDUR™ CROP OIL

SDS DATE: 9/22/2016

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): Avoid intense heat, sparks or flame.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Combustion may produce carbon monoxide and asphyxiants.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

MIXTURE TOXICITY LD50 Acute oral toxicity >5050mg/kg (Rat)
LD50 Acute dermal toxicity >5050mg/kg (Rabbit)
Acute eye Irritation (Rabbit) score of 6 at 1 hr., 0 at 24 hours and beyond effects cleared in 7 days
Acute Dermal irritation (Rabbit) 0.6 out of 8.0 based on a 72 hour observation, slightly irritating.

COMPONENT TOXICITY

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all federal, state and local regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS: None

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description: Not Regulated

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None

SECTION 14 NOTES: None

SAFETY DATA SHEET

RENDUR™ CROP OIL

SDS DATE: 9/22/2016

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.