



# Chemorse

1596 NE 58th Ave.  
Des Moines, IA 50313  
515-276-1130

## CHEMPRO E-356

Emulsifier/Surfactant Blend

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

# DANGER

## CAUSES EYE AND SKIN BURNS. CAUSES RESPIRATORY TRACT IRRITATION.

**DESCRIPTION:** Proprietary blend of non-ionic surfactants.

**PRECAUTION:** Keep container tightly closed when handling or storing. Wear personal protection, and wash thoroughly after handling.

**SPILL:** Prevent spill from entering streams, sewers, soil and waterways. Use dikes to contain spill. Flush spill area with water spray. Shovel, sweep, or vacuum spill and place in closed container for disposal according to local, state, and federal regulations. May be harmful to the environment if released in large quantities.

**STORAGE:** Store this product in a cool, dry, well-ventilated area away from direct sources of heat, sparks, ignition and flames. Containers that have been opened should be carefully resealed and kept upright to prevent leakage. Protect product from freezing.

**FIRST AID:**

**IF IN 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.

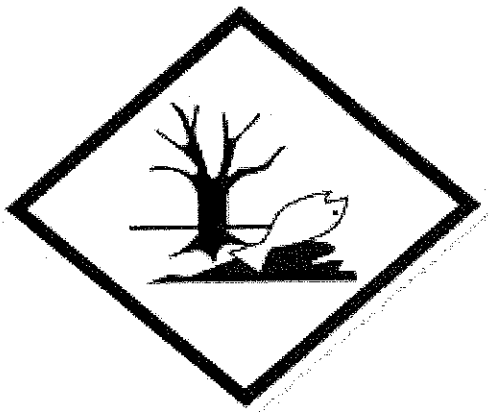
**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have the person 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.

**NOTES TO PHYSICIAN:** Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for at least 48 hours.

**NET CONTENTS: 270-Gallon**



# SAFETY DATA SHEET

DATE REVISED: 3/9/2015  
SDS NUMBER: 10282

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CHEMPRO E-356  
**DESCRIPTION:** Agricultural Adjuvant

**MANUFACTURER:** CHEMORSE, LTD  
1596 NE 58<sup>th</sup> Ave  
Des Moines, IA 50313

**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

**Health:**

Skin corrosion/irritation – Category 2  
Serious eye damage/eye irritation – Category 1  
Skin sensitization – Category 1B

**GHS Label:**



**Signal Word: DANGER**

**Hazards Statements:**

Causes serious eye damage  
Causes skin irritation  
May cause an allergic skin reaction  
Very toxic to aquatic life  
Toxic to aquatic life with long lasting effects

**Precautionary Statements:**

**Prevention:**

- P264 – Wash hands, face, and other affected areas thoroughly after handling
- P270 – Do not eat, drink, or smoke when using this product
- P280 – Wear protective gloves, protective clothing, and eye and/or face protection
- P261 – Avoid breathing vapors, mist, or spray
- P271 – Use only outdoors or in well ventilated area
- P273 – Avoid release into the environment

**Response:**

- P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell
- P330 – Rinse Mouth
- P332 + P313 – If skin irritation occurs: Get medical advice / attention
- P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing
- P312 – Call a POISON CENTER or doctor / physician if you feel unwell
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P337 + P313 – If eye irritation persists: Get medical advice / attention

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS Number	Percentage
Amines, tallow alkyl, ethoxylated	61791-26-2	13 - 30
Nonylphenol, ethoxylated	127087-87-0	13 - 30
Proprietary component #1	Proprietary	13 - 30
Proprietary component #2	Proprietary	7 - 13

**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 water fog or fine spray, foam, dry chemical, 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. Use water spray/fog for cooling containers and firefighters. Minimize run off if possible. 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.

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

**PERSONAL PROTECTIVE EQUIPMENT:** Wear protective gloves. Wear eye or face protection.

**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. If necessary neutralize using suitable buffering material (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as sand, soil, and so on). 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 area

## 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

**RESPIRATORY PROTECTION:** For most conditions, no respiratory protection should be needed; however, use NIOSH/MSHA approved organic vapor respirator as necessary

**EYE PROTECTION:** Wear OSHA standard chemical splash goggles or safety glasses

**SKIN PROTECTION:** Clean body-covering clothing should be worn. Use impervious gloves such as neoprene and rubber boots

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid
Odor	Bland
pH	6.5
Freeze / Melting Point	Not available
Boiling Point / Range	Not available
Specific Gravity (20°C)	0.98

Flash Point	Closed cup: 249.8 °F
Color (Gardner)	Not Determined
Solubility in Water	Not available
Viscosity	74 cP
Odor Threshold	Not Determined
Evaporation Rate	Not available
Upper / Lower Flammability Limits	Not Determined
Vapor Pressure	0.64 mm Hg
Vapor Density	Not available
Partition Coefficient	Not available
Auto-Ignition Point	Not available
Decomposition Temperature	Not available

## 10. STABILITY AND REACTIVITY

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

**CONDITIONS TO AVOID:** Avoid strong acids, strong bases, and strong oxidizing agents

**HAZARDOUS DECOMPOSITION:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**HAZARDOUS POLYMERIZATION:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**ACUTE:** based on component data

Product/ingredient name	Test	Endpoint	Species	Result
Amines, tallow alkyl, ethoxylated	-	LD50 Dermal	Rabbit	> 1260 mg/kg
	-	LD50 Oral	Rat	> 1200 mg/kg
Nonylphenol, ethoxylated	-	LC50 inhalation dusts and mists	Rat	> 21.3 mg/L
	-	LD50 Dermal	Rabbit	2500 mg/kg
	-	LD50 Oral	Rat	> 4290 mg/kg
Proprietary component #1	OECD 403 Acute Inhalation Toxicity	LC50 Inhalation dusts and mists	Rat	> 1600 mg/m <sup>3</sup>
	OECD 402 Acute Dermal Toxicity	LD50 Dermal	Rabbit	> 3000 mg/kg
	OECD 401 Acute Oral Toxicity	LD50 Oral	Rat	> 2000 mg/kg

## IRRITATION/CORROSION

Product/ingredient name	Test	Species	Result
Amines, tallow alkyl, ethoxylated	-	Rabbit	Eyes - Corrosive
	-	Rabbit	Skin - Severe irritant
Nonylphenol, ethoxylated	-	Rabbit	Skin - irritant
Proprietary component #1	OECD 405 Acute Eye Irritation/Corrosion	Rabbit	Eyes - Severe irritant
	OECD 404 Acute Dermal Irritation/Corrosion	Rat	Skin - Non-irritant

## SUMMARY

**Eye** - Corrosive to eyes

**Skin** - Severely irritating to skin

**Inhalation** - may irritate the respiratory tract causing nasal discomfort, chest pain, and coughing

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

**CHRONIC:** No Information Available

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Based on component data

EC <sub>50</sub> 3 hours	Bacteria	1000 mg/L
EC <sub>20</sub> 21 days	Daphnia magna	0.48 mg/L
LC <sub>50</sub> 96 hours	Fish	1.1 mg/L

## 13. DISPOSAL CONSIDERATIONS


**DISPOSAL METHOD:** For disposal of Aqueous Solutions, aerobic biological wastewater treatment systems are effective in treating plant conditions. Consultation with local treatment plant staff is recommended (and may be required by law) before disposal. For disposal of unused product, incinerate in a furnace where permitted under Federal, State, and local regulations

**PRODUCT DISPOSAL:** P501 - 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 should be recycled or disposed of through an approved waste management facility

## 14. TRANSPORTATION INFORMATION

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

<u>Regulatory Information</u>	<u>UN Number</u>	<u>Class</u>	<u>Packaging Group</u>	<u>Label</u>
DOT (Bulk)	UN3267	8	III	

**15. REGULATORY INFORMATION**

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

- 311 / 312 Hazard Categories – Acute Health Hazard
- 313 Reportable Ingredients – Glycol ethers – 11.44 %
- 302 / 304 Emergency Planning – None

**CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65)**

**Warning:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

**Warning:** This product contains less than 1 % of a chemical known to the State of California to cause birth defects or other reproductive harm.

<u>Ingredient name</u>	<u>Cancer</u>	<u>Reproductive</u>
Ethylene oxide	Yes	Yes
1,4-Dioxane	Yes	No

**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 SDS

**APPROVAL BY:** Mason M. Neal – Technical Services Manager

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