

SAFETY DATA SHEET

DATE REVISED:12/17/2015
SDS NUMBER: 10262

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CHEMPRO E-325
DESCRIPTION: Glyphosate Formulation Inert
MANUFACTURER: CHEMORSE, LTD
1596 NE 58th 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:

Acute toxicity:

Oral (category 4) –harmful if swallowed
Dermal (category 4) –harmful in contact with skin
Inhalation (category 4) –harmful if inhaled

Skin irritation (category 2) – causes skin irritation

Serious eye damage / eye irritation (category 1) – causes serious eye damage

GHS Label:



Signal Word: DANGER

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.

Avoid breathing fumes, mist, vapors, or spray.

Wash hands, face, and other affected areas thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Use only outdoors or in a well ventilated area.

Wear protective gloves / protective clothing / eye protection / face protection.

Avoid release to the environment.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell. Rinse mouth.

IF ON SKIN: Call a POISON CENTER or doctor / physician if you feel unwell. Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water.

If skin irritation occurs: get medical advice or attention.

IF INHALED: Call a POISON CENTER / doctor / seek medical attention if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call POISON CENTER or doctor / physician.

If eye irritation persists: Get medical advice / attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Percentage
Proprietary blend of surfactants and coupling agents	N/A	70 – 90%
Amines, tallow alkyl, ethoxylated	61791-26-2	10 - 30%

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: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INHALED: After vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self contained breathing apparatus. Keep person warm and at rest. If breathing is difficult give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediately medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

INGESTION: 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.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide (CO₂).

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: The proper personal protective equipment for incidental releases (such as 1 liter of product released in a well ventilated area), 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. 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: Very toxic to aquatic life with long lasting effects. 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 between 40°F and 120°F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.

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.

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.

SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be need. Use impervious gloves such as neoprene.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear amber liquid
Odor	Mild
pH (5% aqueous solution)	6 - 7
Freeze / Melting Point	Not Determined
Boiling Point / Range	Not Determined
Specific Gravity (20°C)	1.12 – 1.17
Flash Point	> 93°C
Color (Gardner)	Not Determined
Solubility in Water	Soluble
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: No specific data.

HAZARDOUS DECOMPOSITION: Combustion may yield carbon monoxide, carbon dioxide, and other hazardous gases.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions of use and storage.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity – based on product composition

LD ₅₀ Oral	Rat	> 4000 mg/kg
LD ₅₀ Dermal	Rabbit	> 4000 mg/kg

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

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

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

Ingestion – 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: Not determined

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

313 Reportable Ingredients

<u>Component</u>	<u>CAS #</u>	<u>RQ (lbs)</u>	<u>Amount</u>
Ethylene Oxide	75-21-8	10	≤ 0.0001%

302 / 304 Emergency Planning – None

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

<u>Component</u>	<u>CAS #</u>	<u>Amount</u>
Ethylene Oxide	75-21-8	≤ 0.0001%

TRACE ELEMENTS: A maximum of 1 ppm ethylene oxide (CAS 75-21-8) may be present in this product. The OSHA PEL and the ACGIH TLV for Ethylene Oxide are 1 (one) ppm. Ethylene Oxide is a NTP, IARC, and OSHA carcinogen. Ethylene Oxide has also been determined to be a reproductive hazard. The trace levels of Ethylene Oxide in this product are not expected to result in acute or long term hazards when handled according to the precautions set for in this SDS. However, Ethylene Oxide may accumulate in the container headspace and be released into the ambient environment. It is the responsibility of the employer to comply with OSHA Ethylene Oxide standards (29 CFR 1910.1047).

16. OTHER INFORMATION

REASON FOR ISSUE: update to GHS

APPROVAL BY: Mason M. Neal – Technical Services Manager

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