

Control Solutions, Inc.
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Pasadena, Texas USA 77507

In Case of Emergency, Call
Information: 1-281-892-2500
CHEMTREC: 1-800-424-9300

1. CHEMICAL IDENTIFICATION

Product Name: Eraser™
 EPA Registration No.: 53883-286
 Active Ingredient (%): Glyphosate 41.0%
 Recommended Use: Pesticide

2. HAZARDS IDENTIFICATION

Routes of Exposure: Skin and inhalation.

Eye Contact: This product may cause pain, redness and tearing as shown by toxicity studies.
 Skin Contact: This product is only slightly toxic and only slightly irritating to the skin.
 Ingestion: This product is only slightly toxic if ingested. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed. Ingestion of similar formulations has been reported to produce gastrointestinal discomfort with irritation of the mouth, nausea, vomiting and diarrhea. Oral ingestion of large quantities of one similar product has been reported to result in hypotension and lung edema.
 Inhalation: This product is only slightly toxic if inhaled.
 Environmental: Do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Raising application equipment over the treated area will help avoid run off to water bodies or drainage systems.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	% by weight	CAS#	ACGIH TLV	OSHA-PEL
Glyphosate	41.0%	1071-83-6	Not established.	Not established.
Inerts	59.0%	-	Not established.	Not established.

4. FIRST AID MEASURES

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
 Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
 Ingestion: Call poison control center or doctor immediately for treatment advice. This product will cause gastrointestinal tract irritation. Immediately dilute by swallowing water or milk.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable.
 Extinguishing Media: Water spray, foam, CO₂, dry chemical, or any class B extinguishing agent.
 Procedures: Use water spray to keep fire exposed containers cool. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Fight fire from protected location or maximum possible distance. Avoid heavy hose streams. Dike area to prevent water runoff. Firemen should wear self-contained breathing apparatus and protective clothing.
 Unusual Fire Hazards: None.
 By products in a Fire: The essential breakdown products are CO, CO₂, phosphorus pentoxide and

nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spills:

Small liquid spills on the floor or other impervious surfaces, should be soaked up with towels or other absorbent material and discarded in the trash. Clean the spill area with soap and water and rinse the area thoroughly.

Large liquid spills on the floor or other impervious surfaces should be contained or diked and then absorbed with attapulgate, bentonite or other absorbent clays. Collect the contaminated absorbent, place in a metal drum and dispose of. See **Section 13**. Thoroughly scrub floor or other impervious surfaces with a strong industrial detergent and rinse with water. Large spills that soak into the ground should be dug up, placed in metal drums and disposed of. For further instruction see **Section 13**. Contact appropriate state agency when considering a land spreading disposal option.

Leaking Containers should be separated from non-leaking containers and either the container or its contents transferred to a drum or other non-leaking container and disposed of. Any recovered spill liquid should be similarly collected and disposed of. See **Section 13**.

7. HANDLING AND STORAGE

Do not contaminate water, food or feed by storage or disposal.

Storage Conditions: Store upright at room temperature. Avoid exposure to extreme temperatures. Store in a locked area out of reach of children and domestic animals. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use only in adequately ventilated areas.

Eye Protection: Eye contact with the material should be avoided through the use of chemical safety glasses, goggles, or a face-shield.

Respiratory Protection: The undiluted product is not likely to present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling, which produces a heavy vapor or mist, workers should put on respiratory protection equipment in conformity with local regulations.

Dermal Protection: Wear appropriate protective clothing to prevent skin contact. Applicators and other handlers must wear chemical resistant gloves, long pants, long-sleeved shirt, shoes and socks. Remove and wash contaminated clothing before reuse. Wash separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Other Precautions: An adequate supply of clean, portable water should be available to allow thorough flushing of skin and eyes in the event of contact with this compound. Do not get in eyes or get in or on clothing. Avoid breathing vapor or spray mist. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash thoroughly with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor: Almost odorless to a slight amine-like odor.

Physical State: Viscous solution.

Color: Clear.

Vapor Pressure: For the active ingredient glyphosate (acid): 1.75×10^{-7} mm Hg (1.31×10^{-5} Pa) at 25°C.

Bulk Density:	Not available.
Molecular Weight:	Not available.
Viscosity:	43 cS at 20°C, 18 cS at 40°C (kinematic viscosity).
Melting Point:	Below 0°.
Flash Point:	Above 113°C.
Specific Gravity:	1.16 g/cm ³ at 20°C.
pH:	4.5 (1% solution in water) at 20°C.
Water solubility:	Fully miscible in water.
Refractive Index:	Not available.

10. STABILITY AND REACTIVITY

Chemical Stability:	This product is stable at ambient temperature.
Incompatibility:	Oxidizing agents, alkalies, calcium hypochlorite.
Decomposition Products:	Bi-products from fire: The essential breakdown products are CO, CO ₂ , phosphorus pentoxide and nitrogen oxides.

11. TOXICOLOGICAL DATA

Ingestion:	Almost non-toxic (LD ₅₀ – rat: > 5000 mg/kg).
Skin Contact:	Almost non-toxic (LD ₅₀ – rabbit: > 2000 mg/kg).
Eye Contact:	may cause substantial but temporary eye injury.
Inhalation LC ₅₀ :	LC ₅₀ – rat: 4.86 mg/1/4 h. \
Allergy Sensitization:	No sensitizing properties towards guinea pigs in the Magnusson-kligmann Maximization test.
Carcinogenicity:	EPA has classified glyphosate in category E (evidence of non-carcinogenicity for humans).
Other Comments:	Studies using laboratory animals exposed to high levels of the active ingredient lambda-cyhalothrin have shown that lambda –cyhalothrin may induce neurotoxic effects such as staggering gait, muscle tremors and convulsions.

12. ECOLOGICAL DATA

Aquatic:	Rainbow Trout 96-hr LC ₅₀ = 18.6 mg/l (static). Bluegill Sunfish 96-hr LC ₅₀ = 11.9 mg/l (static).
Avian:	Bobwhite quail & Mallard Duck LD ₅₀ = > 2000 mg/kg [glyphosate (acid)].
Invertebrates:	<i>Daphnia magna</i> 48-hr EC ₅₀ = 21.6 mg/l.
Algae:	Algae 72-hr EC ₅₀ = 17.4 mg/l.
Bees:	Honey Bees – LD ₅₀ , Oral = > 100 µg/bee.

13. DISPOSAL CONSIDERATION

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable federal, state or local procedures.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for Guidance.

Plastic Containers: Do not reuse container. Triple rinse container then puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Procedures in accordance with state and local regulations must be observed.

See Label for further instructions.

14. TRANSPORTION DATA

UN CLASSIFICATION: Not classified as a hazardous material for transport.

15. REGULATORY DATA

IN THE EU:

Classification and Labeling: None

Threshold Limit Value: OSHA PEL – N/A
ACGIH TLV – N/A

NOTE: Threshold limit values defined by local regulations must be observed.

16. OTHER INFORMATION

Date of Last Revision: June 22, 2015

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product SDS.

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