

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: IMAGE® Herbicide KILLS CRABGRASS_{II}

Date of Preparation: 05/03/10

NFPA HAZARD RATINGS: Health(1), Fire(1), Reactivity(0). *{(0)least (1)slight (2)moderate (3)high (4)extreme.}*

Section 1-CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Manufacturer: AMBRANDS 2030 Powers Ferry Road, Ste 370 Atlanta, GA 30339

Emergency Telephone: 800-265-0761 Internet: www.imageforweeds.com

EPA Registration Number: 279-3407-73342

Section 2-COMPOSITION/INFORMATION on HAZARDOUS INGREDIENTS

<u>CHEMICAL NAME/SYNONYM(S)</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>
Sulfentrazone	122836-35-5	not listed
Quinclorac	84087-01-4	not listed
Proprietary Inert Ingredients	N/A	-----
Surfactant blend	N/A	-----
Toluene	108-88-3	200 ppm (PEL); 300 ppm (STEL); 50 ppm (skin) TWA
Silica (Quartz)	14808-60-7	0.1 mg/m3 (PEL) respirable dust; mg/m3 (TWA) respirable fraction

Section 3-HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Potential Health Effects: Primary Entry Routes: Eyes, skin, inhalation.

Target Organs: Eyes, skin, lungs.

Acute Effects: *Eye:* Causes moderate eye irritation including redness or burning. *Skin:* May cause irritation or redness. Harmful if absorbed through skin. *Inhalation:* Long term inhalation may cause delayed lung injury. *Ingestion:* Harmful if swallowed.

Medical Conditions Aggravated by Long-Term Exposure: Persons with existing skin lesions should exercise caution when using or handling this product.

Section 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 the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin Contact: 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.

Inhalation: 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.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.

Note to doctor: This product is expected to have low oral, dermal, and inhalation toxicity. It is expected to be irritating to the eyes and skin and non-sensitizing to the skin. This product contains a granular material (clay) and thus it may cause mechanical irritation to the eye upon accidental exposure. It also contains toluene which can produce a severe pneumonitis if aspirated during vomiting. Consideration should be given to gastric lavage with an endotracheal tube in place. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

Section 5-FIRE FIGHTING MEASURES

Flash Point: NA based on the formulation.

Flammability Classification: Combustible.

Extinguishing Media for Surrounding Area: Foam, CO2, or dry chemical. Soft stream water fog only if necessary.

Hazardous Decomposition Products: Oxides of carbon and sulfur, hydrogen chloride, and hydrogen fluoride.

Fire-Fighting Instructions: Isolate fire area. Evacuate downwind. Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapor generated.

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Section 6-ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: Isolate and post spill area. Wear protective clothing and respiratory protection. Keep unprotected persons and animals out of the area. Large spills should be covered to prevent dispersal. For dry material, use a wet sweeping compound or water to prevent the formation of dust. If water is used, prevent runoff or dispersion of excess liquid by diking and absorbing with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump all waste material, including absorbent, into a drum and label contents. To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash and an appropriate alcohol. Follow this by washing with a strong with a strong soap and water solution.

Section 7- HANDLING and STORAGE

Handling Precautions: Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Wash after handling. Do not contaminate water by disposal of equipment wash waters. Rinse gloves before removing and wash hands. If product gets on skin, wash thoroughly with soap and water. If product gets on clothing, remove clothing and wash thoroughly. Wash clothing before wearing again. User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet

Storage Requirements: Store in a cool, dry well ventilated place. Do not use or store near heat, open flame or hot surfaces. Keep out of reach of children and animals. Do not contaminate other materials, or allow this material to be contaminated, by improper storage or handling.

Section 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: For dust exposure wear, as a minimum a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides (U.S. NIOSH/MSDA, EU CEN or comparable certification).

Protective Clothing/Equipment: Wear coveralls or long-sleeved uniform and head covering.

Eye Protection: Safety glasses with side shields or safety goggles.

Ventilation: Good local ventilation is required. If applied in an enclosed area, mechanical exhaust may be necessary.

Gloves: Wear chemical protective gloves such as butyl rubber, nitrile or neoprene. Thoroughly wash the outside of gloves with soap and water prior to removal.

Section 9-PHYSICAL/CHEMICAL PROPERTIES

Physical State: Tan free flowing granules; slightly musty odor. Readily disperses in water.

pH: 4.7 (5% suspension)

Bulk density: 578 to 583 g/L

Section 10-STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage. **Polymerization:** Will not occur. **Chemical Incompatibilities:** Extreme heat and fire.

Section 11-TOXICOLOGICAL INFORMATION

Sulfentrazone:

Acute Dermal LD₅₀ : >2,000 mg/kg body weight (rabbit). Oral LD₅₀ : =2689 mg/kg body weight (rat).

Mildly irritating to eye (rabbit); Non-irritating skin (rabbit); Non-sensitizing skin (guinea pig)

Quinclorac:

Acute Dermal LD₅₀ : >2,000 mg/kg body weight (rat) No mortality. Oral LD₅₀ : >2200 mg/kg body weight (male/female rat).

Moderately irritating to eye (rabbit); Irritating skin (rabbit); Non-sensitizing skin (guinea pig)

Positive Teratogen/Mutagen/Carcinogen (NTP): Quartz (yes). **Potential Carcinogen OSHA/IARC:** Quartz (yes).

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Section 12-ECOLOGICAL INFORMATION

Keep out of any body of water. Do not contaminate waters when disposing of equipment wash waters.

Section 13-DISPOSAL CONSIDERATIONS

Disposal: Consult local, state or federal regulatory agencies for acceptable disposal procedures and locations. Disposal in waterways or sewers is prohibited.

Section 14-OTHER INFORMATION

Format similar to ANSI Z400.1-2004

ND= Not Determined; NA= Not Applicable; NIA= No Information Available