

Below is the label information for products we may use as part of your Lawn Care Program.

Please keep in mind that most of the warnings listed are for the highly concentrated forms of the material used. When applied to your property, they have been diluted to proper, safe application levels. Most of these materials are the same as those that can be bought in garden centers or retail stores by the public.

Please call our office with any questions you may have at (585) 265-1900.

### ACCLAIM EXTRA HERBICIDE

E.P.A. REG. NO. 432-950

Post-emergence annual and perennial grass control in turfgrass and ornamentals.

ACTIVE INGREDIENT: fenoxaprop-p-ethyl: (+)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate (6.59%)

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

#### STATEMENT OF PRACTICAL TREATMENT:

**If swallowed:** 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 a poison control center or doctor. **If in eyes:** Hold eyes 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. Call a poison control center or doctor for treatment advice.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate arable land and/or water when disposing of equipment washwaters.

RATE OF APPLICATION AND METHOD: .05 fluid ounces per 1000 square feet / hand held low-pressure nozzle/boom sprayer.

# ALLECTUS 0.225 G PLUS TURF FERTILIZER

E.P.A. REG. NO. 432-1417-34704

The use of this product will provide plant nutrients as well as providing control of selected insect pests.

ACTIVE INGREDIENT: Imidacloprid\*, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (0.125%), Bifenthrin (0.100%)

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating. Remove contaminated clothing before reuse.

Do not enter or allow people (or pets) to enter the treated area until product has been watered in and has dried.

### STATEMENT OF PRACTICAL TREATMENT:

**If on skin:** 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 in eyes:** 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 treatment advice.

ENVIRONMENTAL HAZARDS: This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Run-off may be hazardous to aquatic organisms in water adjacent to treated areas.

RATE OF APPLICATION AND METHOD: 4.60 pounds per 1000 square feet, granular / broadcast spreader.

#### BASAGRAN T/O HERBICIDE

E.P.A. REG. NO. 7969-45

Post-emergent herbicide for use in established turf, ornamental and roadsides to control broadleaf weeds.

ACTIVE INGREDIENTS: Sodium Salt of Bentazon (44.0%)

PRECAUTIONARY STATEMENTS: HAZARDS HUMANS AND DOMESTIC ANIMALS: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### STATEMENT OF PRACTICAL TREATMENT:

**If swallowed**: 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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 in eyes**: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

ENVIRONMENTAL HAZARDS: For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

RATE OF APPLICATION AND METHOD: 0.75 fluid ounces per 1000 square feet / hand held low-pressure nozzle.

### CHASER TURF HERBICIDE

E.P.A. REG. NO. 34704-928

Low volatile weed killer. For the control of annual and perennial broadleaf weeds in turf and sod.

ACTIVE INGREDIENT: 2, 4-diclorophenoxyacetic acid, butoxyethyl ester (34.4%), triclopyr BEE: 3, 5, 6-trichloro-2- pyridinyloxyacetic acid, butoxyethyl ester (16.5%)

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS Harmful if swallowed, prolonged or frequent repeated skin contact may cause allergic skin reactions in some individuals

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

### STATEMENT OF PRACTICAL TREATMENT:

**If swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Drift or runoff may adversely affect fish and nontarget plants. Do not apply directly to water, to areas where surface water is present, or to intertidal area below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

RATE OF APPLICATION: 1-2 quarts per acre / hand held low-pressure nozzle/boom sprayer.

## EVADE CRABGRASS PREVENTER WITH .375% PLUS TURF FERTILIZER

E.P.A. REG. NO. 34704-776

For selective pre-emergence control of grass and broadleaf weeds in established turf, lawns and ornamentals.

ACTIVE INGREDIENT: Prodiamine, [N<sup>3</sup>, N<sup>3</sup>-Di-n-propyl-2, 4-dinitro-6-(trifluoromethyl)-m-phenylenediamine] (0.375%)

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged frequent repeated skin contact while handling the material may cause allergic reactions in some individuals.

Do not enter or allow people (or pets) to enter the treated area until product has been watered in and has dried.

### STATEMENT OF PRACTICAL TREATMENT:

**If in eyes:** 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 the eye. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take of 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 a 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. Do not give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS: This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

RATE OF APPLICATION AND METHOD: 4.60 pounds per 1000 square feet, granular / broadcast spreader.

# CHASER® 2 AMINE 1.2

E.P.A REG. NO. 34704-930

### **GROUP 4 HERBICIDE**

Classification according to 29 CFR 1910.1200 Chemical Name: CAS No. Concentration [%] Dimethylamine salt of 2,4-D 2008-39-1 34.20 Trimethylamine salt of Triclopyr 57213-69-1 15.20 Trimethylamine (contained in other ingredients)121-44-8 \*Other ingredients n/a 50.60 \*Ingredients not specifically listed are non-hazardous or are to be considered proprietary or confidential business information per 29 CFR 1910.1200(i)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER 1.1 PRODUCT IDENTIFIER: EPA REGISTRATION NO. 34704-930 TRADE NAME: CHASER® 2 AMINE 1.2 RECOMMENDED USE: GROUP 4 HERBICIDE 1.3 SUPPLIER DETAILS: LOVELAND PRODUCTS, INC. P.O. Box 1286 • Greeley, CO 80632-1286 1.4 24 Hour Emergency Phone: 1-800-424-9300 - Medical Emergencies: 1-866-944-8565 – Product Information: 1-888-574-2878 (LPI-CUST) U.S. Coast Guard National Response Center: 1-800-424-8802

2.1 Classification of the substance or mixture Classification according to 29 CFR 1910.1200 Eye
Damage/Irritation Category 1 H318 Acute Toxicity – Oral Category 4 H302 Acute Toxicity – Dermal Category 4
H312 2.2 Label elements Signal word: DANGER Hazard Statement: H318 – Causes serious eye damage. H302
– Harmful if swallowed. H312 – Harmful in contact with skin. H401 – Toxic to aquatic life. Precautionary
Statement: P280 – Wear protective gloves/protective clothing/eye protection/face protection. (Prevention): P264
– Wash hands thoroughly after handling. P270 – Do not eat, drink or smoke when using this product.
Precautionary Statement: P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present (Response): and easy to do. Continue rinsing. P310 – Immediately call a poison center/doctor/physician. P301+P312 – IF SWALLOWED: Call a poison center/doctor/physician if you feel unwell. P330 – Rinse mouth. P302+P352 – IF ON SKIN: Wash with plenty of soap and water. P312 - Call a poison center/doctor/physician if you feel unwell. P321 – Specific treatment (see First Aid and Note to Physician on the product label). P362 – Take off contaminated clothing and wash it before reuse. Precautionary Statement: (Storage): Note required or not applicable. Precautionary Statement: P501 – Dispose of contents/container in accordance with local, state and federal regulations. (Disposal): 2.3 Other hazards No Known

**3. COMPOSITION, INFORMATION ON INGREDIENTS** 3.1 Substances 3.2 Mixtures Classification according to 29 CFR 1910.1200 Chemical Name: CAS No. Concentration [%] Dimethylamine salt of 2,4-D 2008-39-1 34.20 Trimethylamine salt of Triclopyr 57213-69-1 15.20 Trimethylamine (contained in other ingredients)121-44-8 \*Other ingredients n/a 50.60 \*Ingredients not specifically listed are non-hazardous or are to be considered proprietary or confidential business information per 29 CFR 1910.1200(i)

**4.1 Description of First Aid Measures General Advice:** Get medical attention if symptoms occur. If in eyes: 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 treatment advice. If on skin or clothing: Take of contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If on skin or clothing: Take of contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If swallowed: 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. Do not give anything by mouth to an unconscious person. If inhaled: Move 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 further treatment advice. 4.2 Most Important Symptoms and Effects, Acute and Delayed Symptoms: Eyes: Causes serious eye damage. Oral: Harmful if swallowed. Skin: Harmful in contact with skin. 4.3 Immediate Medical Attention and Special Treatment Treatment: Treat symptomatically. Symptoms may be delayed. FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565 Take container, label or product name with you when seeking medical attention. NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage. There is no specific antidote; treat symptomatically.

5. FIRE FIGHTING MEASURES 5.1 EXTINGUISHING MEDIA: Suitable Extinguishing Media: Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide (CO2), alcohol foam, foam, water spray or fog. 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: Specific Hazards During Firefighting: 2,4-D amine salt, Trimethylamine salts of Triclopyr, oxides of nitrogen, hydrogen chloride, and oxides of carbon may be released. 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry. 6. ACCIDENTAL RELEASE MEASURES 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES Personal Precautions: Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing. 6.2 ENVIRONMENTAL PRECAUTIONS Environmental Precautions: This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to Remove residual contamination. Never return spills to original containers for re-use.

6. ACCIDENTAL RELEASE MEASURES 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES Personal Precautions: Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing. 6.2 ENVIRONMENTAL PRECAUTIONS Environmental Precautions: This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to Remove residual contamination. Never return spills to original containers for re-use.

**7. HANDLING AND STORAGE 7.1 PRECAUTIONS FOR SAFE HANDLING:** Advice on Safe Handling: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. 7.2 CONDITIONS FOR SAFE STORAGE: Requirements for Storage Areas and Containers: Store above 28 °F or agitate before use. Do not contaminate water, food or feed by storage or disposal.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION 8.1 CONTROL PARAMETERS: OCCUPATIONAL

**EXPOSURE** LIMITS U.S. Workplace Exposure Level (ACGIH) TLVs Components Type Value 2,4-D Acid TLV 10 mg/m3 U.S. Workplace Exposure Level (OSHA) PELs Components Type Value 2,4-D Acid TLV 10 mg/m3 Biological limit values ACGIH Biological Exposure Indices Components Value Specimen No listings 8.2 EXPOSURE CONTROLS: Engineering Measures Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower. Individual Protection Measures: Eye / Face Protection: Goggles or shielded safety glasses are recommended. Skin Protection: Long-sleeved shirt and long pants. Chemical-resistant gloves, such as polyethylene or polyvinylchloride. Shoes plus socks. Respiratory Protection: In case of inadequate

ventilation or risk of inhalation of mists or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-84A with NIOSH equipped N, R, or P class filter media. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown. 9. PHYSICAL AND CHEMICAL PROPERTIES 9.1 APPEARANCE: Liquid ODOR: Amine. ODOR THRESHOLD: No data available. COLOR: Amber. pH: 7 - 8 MELTING POINT / FREEZING POINT: No data available BOILING POINT: 178 °F / 81.1 °C FLASH POINT: Does not flash. FLAMMABILILITY (solid, gas): No data available. UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available. VAPOR PRESSURE: No data available. SOLUBILITY: Soluble. PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available. AUTO-IGNITION TEMPERATURE: No data available. DECOMPOSITION TEMPERATURE: No data available. VISCOSITY: No data available. SPECIFIC GRAVITY (Water = 1): 1.16 g/ml DENSITY: 9.68 lbs./gal / 1.16 kg/L 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. 10. STABILITY AND REACTIVITY 10.1 REACTIVITY Stable 10.2 CHEMICAL STABILITY Stable under normal temperature conditions 10.3 POSSIBILITY OF HAZARDOUS REACTIONS No data available. Will not polymerize. 10.4 CONDITIONS TO AVOID Excessive heat. Do not store near heat or flame. 10.5 INCOMPATIBILE MATERIALS Strong oxidizing agents, bases and acids. 10.6 HAZARDOUS DECOMPOSITION PRODUCTS 2,4-D amine salts, trimethylamine salts of Triclopyr, oxides of nitrogen, hydrogen chloride, and oxides of carbon may be released

**9. PHYSICAL AND CHEMICAL PROPERTIES** 9.1 APPEARANCE: Liquid ODOR: Amine. ODOR THRESHOLD: No data available. COLOR: Amber. pH: 7 - 8 MELTING POINT / FREEZING POINT: No data available BOILING POINT: 178 °F / 81.1 °C FLASH POINT: Does not flash. FLAMMABILILITY (solid, gas): No data available. UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available. VAPOR PRESSURE: No data available. SOLUBILITY: Soluble. PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available. AUTO-IGNITION TEMPERATURE: No data available. DECOMPOSITION TEMPERATURE: No data available. VISCOSITY: No data available. SPECIFIC GRAVITY (Water = 1): 1.16 g/ml DENSITY: 9.68 lbs./gal / 1.16 kg/L 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. 10. STABILITY AND REACTIVITY 10.1 REACTIVITY Stable 10.2 CHEMICAL STABILITY Stable under normal temperature conditions 10.3 POSSIBILITY OF HAZARDOUS REACTIONS No data available. Will not polymerize.

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**11 TOXICOLOGICAL INFORMATION** 11.3 LIKELY ROUTES OF EXPOSURE Eye contact. Ingestion. Skin contact. LC50 (rat): > 2.0 mg/L (4 HR) LD50 Oral (rat): 1,660 mg/kg LD50 Dermal (rat): 1,818 mg/kg Acute Toxicity Estimates: No data available Skin Irritation (rabbit): No data available. Eye Irritation (rabbit): Corrosive; causes irreversible eye damage. Specific Target Organ Toxicity: No data available. Aspiration: No data available Skin Sensitization (guinea pig): Not a sensitizer Carcinogenicity: No data available. Germ Cell Mutagenicity: No data available Interactive Effects: None known 12 ECOLOGICAL INFORMATION 12.3 ECOTOXICITY The product is toxic to fish and aquatic invertebrates. Information below is based on the technical ingredient 2,4-D acid. Ecotoxicological Data Species Test Results\_\_\_\_\_\_\_2,4-D Acid Rainbow trout 245 mg/L – 96-hour LC50 Bluegill 524 mg/L – 96-hour LC50 Fathead minnow 344 mg/L – 96-hour LC50 Pink shrimp 181 mg/L – 96-hour LC50 Daphnia magna 184 mg/L – 96-hour LC50 Tidewater silverside 469 mg/L –96-hour LC50 Eastern oyster 136 mg/L – 48-hour EC50 Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area. 12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: Biochemical oxygen demand is 0.72 for 5, 10 and 20 days. Chemical oxygen demand is 0.72. Under aerobic soil conditions the half-life is 4 – 23 days. Under aerobic aquatic conditions, the half-life is 0.5 – 11 days. 12.3 BIOACCUMULATIVE POTENTIAL Bioaccumulation: Bioconcentration potential is low (BCF < 100 or log Pow < 3). 12.4 MOBILITY IN SOIL High (50 < Koc < 150). Soil organic carbon/water partition coefficient (Koc) is 72-136. 12.5 OTHER ADVERSE EFFECTS Assessment: No data available. 13 DISPOSAL CONSIDERATIONS 13.1 WASTE TREATMENT METHODS Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at http://www.acrecycle.org/. Do not contaminate water, food or feed by storage or disposal.

**12 ECOLOGICAL INFORMATION** 12.3 ECOTOXICITY The product is toxic to fish and aquatic invertebrates. Information below is based on the technical ingredient 2,4-D acid. Ecotoxicological Data Species Test Results\_\_\_\_\_\_\_2,4-D Acid Rainbow trout 245 mg/L – 96-hour LC50 Bluegill 524 mg/L – 96-hour LC50 Fathead minnow 344 mg/L – 96-hour LC50 Pink shrimp 181 mg/L – 96-hour LC50 Daphnia magna 184 mg/L – 96-hour LC50 Tidewater silverside 469 mg/L –96-hour LC50 Eastern oyster 136 mg/L – 48-hour EC50 Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area. 12.2 PERSISTENCE AND DEGRADABILITY Biodegradability: Biochemical oxygen demand is 0.72 for 5, 10 and 20 days. Chemical oxygen demand is 0.72. Under aerobic soil conditions the half-life is 4 – 23 days. Under aerobic aquatic conditions, the half-life is 0.5 – 11 days. 12.3 BIOACCUMULATIVE POTENTIAL Bioaccumulation: Bioconcentration potential is low (BCF < 100 or log Pow < 3). 12.4 MOBILITY IN SOIL High (50 < Koc < 150). Soil organic carbon/water partition coefficient (Koc) is 72-136. 12.5 OTHER ADVERSE EFFECTS Assessment: No data available.

**13 DISPOSAL CONSIDERATIONS** 13.1 WASTE TREATMENT METHODS Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at http://www.acrecycle.org/. Do not contaminate water, food or feed by storage or disposal.

**14 TRANSPORT INFORMATION** 14.3 LAND TRANSPORT DOT Shipping Description: 30 GALLONS AND LESS: NOT REGULATED BY DOT DOT Shipping Description: GREATER THAN 30 GALLONS: RQ UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III (2,4-D), ERG GUIDE 171 U.S. Surface Freight Classification: COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS: 60)

**15 REGULATORY INFORMATION** 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS NFPA & HMIS Hazard Ratings: NFPA HMIS 3 Health 0 Least 3 Health 1 Flammability 1 Slight 1 Flammability 1 Instability 2 Moderate 1 Reactivity 3 High H PPE 4 Severe SARA Hazard Notification/Reporting SARA Title III Hazard Category: Immediate \_\_Y\_ Fire \_\_N\_ Sudden Release of Pressure \_\_N\_ Delayed \_\_Y\_ Reactive \_\_N\_ Reportable Quantity (RQ) under U.S. CERCLA: 2,4-D Acid (CAS: 94-75-7) 100 pounds. SARA, Title III, Section 313: 2,4-D Acid (CAS: 94-75-7) RCRA Waste Code: U240 CA Proposition 65: Not listed. This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: DANGER Corrosive Causes irreversible eye damage. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing.

# HORSEPOWER SELECTIVE HERBICIDE

E.P.A. REG. NO. 228-313

For selective broadleaf weed control in ornamental lawns and turf grasses.

ACTIVE INGREDIENTS: Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid 48.99%, Triethylamine Salt of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid 5.59%, Dimethylamine Salt of Dicamba (3,6-Dichloro-o-Anisic Acid 4.82%.

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear face shield or goggles when mixing and loading this product. Avoid contact with eyes skin or clothing.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

### STATEMENT OF PRACTICAL TREATMENT:

**If in eyes**: Hold eye open and rinse slowly and gently with water for 15-2- minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If swallowed:** 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

ENVIRONMENTAL HAZARDS: This pesticide may be toxic to fish, aquatic invertebrates and aquatic plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treatment areas. Run-off of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

RATE OF APPLICATION AND METHOD: 2-3 pints per acre / hand held low-pressure nozzle/boom sprayer.

### **KLEENUP PRO HERBICIDE**

E.P.A. REG. NO. 34704-890

Complete broad spectrum post emergence non-selective herbicide

ACTIVE INGREDIENT: Glyphosate N-(Phosphonomethyl) (41.0%)

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS & DOMESTIC ANIMALS: Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

### STATEMENT OF PRACTICAL TREATMENT:

**If in eyes:** 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 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.

ENVIRONMENTAL HAZARDS: Do not apply directly to water, to areas where surface water is present or to inertidal areas below the mean high watermark. Do not contaminate water when disposing of equipment washwater or rinsate.

RATE OF APPLICATION AND METHOD: ½ - 2 quarts per acre / hand held low-pressure nozzle/boom sprayer.

### MEC AMINE-D HERBICIDE

E.P.A. REG. NO. 34704-239

Selective Broadleaf Weed Control in Turfgrass

ACTIVE INGREDIENT: Dimethylamine Salt of 2,4 Dichloro-phenoxyacetic acid 30.56%, Dimethylamine Salt of (+)- R 2-(2-methyl-4-chlorophenoxy) propionic acid 8.17%, Dimethylamine Salt of Dicamba (3,6-dichloro-0-anisic acid) 2.77%

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Corrosive. May cause irreversible eye damage. Do not get in eyes, on skin or clothing. Wear face shield. Harmful if swallowed or inhaled.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

## STATEMENT OF PRACTICAL TREATMENT:

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call poison control center or doctor for treatment advice.

**If in eyes:** 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 treatment advise.

**If swallowed:** Call a poison control center or doctor immediately for treatment advise. 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. **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.

ENVIRONMENTAL HAZARDS: Toxic to aquatic invertebrates. Drift or run-off may adversely affect aquatic invertebrates and nontarget plants. Do not apply to water areas where surface water is present of intertidal areas below the mean high watermark. Do not contaminate water when disposing of equipment washwater.

RATE OF APPLICATION AND METHOD: 3-4 pints per acre / hand held low-pressure nozzle/boom sprayer.

## For a poison emergency in the U.S. call 1-800-222-1222



ACCREDITED BUSINESS BBB Rating: A+



