

**MATERIAL SAFETY DATA SHEET****CHASER® TURF HERBICIDE**

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****FORMULATED FOR:**

LOVELAND PRODUCTS, INC.  
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300

Medical Emergencies: 1-866-944-8565

U.S. Coast Guard National Response Center: 1-800-424-8802

**PRODUCT NAME:** CHASER® TURF HERBICIDE  
**CHEMICAL NAME:** 2,4-Dichlorophenoxyacetic acid, butoxyethyl ester and Triclopyr, 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester  
**CHEMICAL FAMILY:** Phenoxy Herbicide  
**EPA REG. NO.:** 34704-928  
**MSDS Number:** 000929-12-LPI **MSDS Revisions:** Sections 14, 15 **Date of Issue:** 12/12/12 **Supersedes:** 05/22/09

**2. HAZARDS IDENTIFICATION SUMMARY**

**KEEP OUT OF REACH OF CHILDREN - CAUTION - PRECAUCION - Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle (If you do not understand the label, find someone to explain it to you in detail.)** Harmful if swallowed. Prolonged or repeated skin contact may cause allergic reactions in some individuals.

This product is a reddish brown-colored liquid with sweet odor.

**3. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Ingredients:</b>	<b>Percentage by Weight:</b>	<b>CAS No.</b>	<b>TLV (Units)</b>
2,4-D, butoxyethyl ester*	34.40	1929-73-3	10 mg/m <sup>3</sup>
Triclopyr, butoxyethyl ester**	16.50	64700-56-7	none established
Inert Ingredients, including Kerosene	49.10	8008-20-6	200 mg/m <sup>3</sup> (Skin)

**4. FIRST AID MEASURES**

**Swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless told 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.

**NOTE TO PHYSICIAN:** May pose an aspiration pneumonia hazard. Contains petroleum distillate.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.** Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT (°F/Test Method):** 148°F/64.4°C (Seta flash)  
**FLAMMABLE LIMITS (LFL & UFL):** Not established  
**EXTINGUISHING MEDIA:** Considered combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.  
**HAZARDOUS COMBUSTION PRODUCTS:** May include but are not limited to oxides of carbon, hydrogen chloride, phosgene and oxides of nitrogen.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**6. ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Avoid breathing vapors. Absorb and sweep up spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state and federal regulations for proper disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**7. HANDLING AND STORAGE**

**HANDLING:** Wash hands after handling, and 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. See section 8 for PPE. Keep away from children.  
**STORAGE:** Store above 10°F / -12.2°C. Do not use or store near heat or open flame. Do not contaminate water, food, or feed by storage or disposal.

**Personal Protective Equipment:** Applicators and other handlers must wear: long sleeved shirt and long pants, shoes and socks, chemical resistant gloves when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate, chemical resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate, and protective wear. Follow manufacturer's instructions for cleaning and maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

**MATERIAL SAFETY DATA SHEET****CHASER® TURF HERBICIDE****8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>ENGINEERING CONTROLS:</b>	When handlers use enclosed cabs in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.		
<b>RESPIRATORY PROTECTION:</b>	Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator.		
<b>EYE PROTECTION:</b>	Chemical goggles or shielded safety glasses.		
<b>SKIN PROTECTION:</b>	Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.		
	<b>OSHA PEL 8 hr TWA</b>	<b>ACGIH TLV-TWA</b>	
2,4-D Acid	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	
Kerosene	not listed	200 mg/m <sup>3</sup> (Skin) (P) <sup>r</sup>	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b> Reddish brown-colored liquid with sweet odor	<b>SOLUBILITY:</b> Soluble
<b>SPECIFIC GRAVITY (Water = 1):</b> 1.013 g/ml	<b>pH:</b> Not established
<b>VAPOR PRESSURE:</b> 0.1 mm @ 37.8°C (Kerosene)	
<b>PERCENT VOLATILE (by volume):</b> Not established	
<b>Note:</b> 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**

<b>STABILITY:</b> Stable
<b>CONDITIONS TO AVOID:</b> Avoid temperatures above or near flashpoint.
<b>INCOMPATIBILITY:</b> Acids, alkalis (bases) and oxidizing materials.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> If burned, noxious fumes, nitrogen oxide, hydrogen chloride and phosgene may be formed under fire conditions.
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur.

**TOXICOLOGICAL INFORMATION**

<b>Acute Oral LD<sub>50</sub> (rat):</b> >2300 mg/kg	<b>Acute Dermal LD<sub>50</sub> (rabbit):</b> >2000 mg/kg
<b>Eye Irritation (rabbit):</b> May cause moderate irritation	<b>Skin Irritation (rabbit):</b> May cause slight irritation
<b>Acute Inhalation LC<sub>50</sub> (rat):</b> >5 mg/L.	<b>Skin Sensitization (guinea pig):</b> Not established
<b>Carcinogenic Potential:</b> None listed in OSHA, NTP, IARC or ACGIH	

**12. ECOLOGICAL INFORMATION**

This pesticide may be toxic to fish and aquatic invertebrates. 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 may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. This chemical 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. Application around a cistern or well may result in contamination of drinking water or groundwater.

**13. DISPOSAL CONSIDERATIONS**

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrcycle.org](http://www.acrcycle.org). If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. (For packages equal to or less than 5 gallons:) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds.

Drain for 10 seconds after the flow begins to drip. (For packages with capacities greater than 5 gallons or 50 lbs.) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Do not contaminate water, food, or feed by storage or disposal.

**MATERIAL SAFETY DATA SHEET****CHASER® TURF HERBICIDE****14. TRANSPORT INFORMATION**

DOT Shipping Description: LESS THAN 50 GALLONS: NOT REGULATED BY DOT.

DOT Shipping Description: 50 GALLONS AND GREATER: RQ UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D), 9, III, ERG GUIDE 171

U.S. Surface Freight Classification: COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS: 60)

**15. REGULATORY INFORMATION**

NFPA & HMIS Hazard Ratings:		NFPA		HMIS	
2	Health	0	Least	2	Health
2	Flammability	1	Slight	2	Flammability
0	Instability	2	Moderate	0	Reactivity
		3	High	H	PPE
		4	Severe		

**SARA Hazard Notification/Reporting**

SARA Title III Hazard Category: Immediate Y Fire Y Sudden Release of Pressure N  
 Delayed Y Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: 2,4-D butoxyethyl ester (CAS: 1929-73-3) 100 lbs

SARA, Title III, Section 313: 2,4-D butoxyethyl ester (CAS: 1929-73-3) 34.4%

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

**CAUTION** – 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.

**OTHER INFORMATION**

MSDS STATUS: Sections 14 and 15 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

®Chaser is a registered trademark of Loveland Products, Inc.

\*2,4-D Acid equivalent: 23.7%, 2 lb/gal.

\*\*Triclopyr acid equivalent: 11.9%, 1 lb/gal.

*X(P): Avoid prolonged and repeated skin contact which can lead to diesel fuels dermal irritation and may be associated with an increased risk of skin cancer.*

**Disclaimer and Limitation of Liability:** This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such material in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.

**MATERIAL SAFETY DATA SHEET****MEC AMINE-D®****FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****FORMULATED FOR:**LOVELAND PRODUCTS, INC.  
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300

Medical Emergencies: 1-866-944-8565

U.S. Coast Guard National Response Center: 1-800-424-8802

**PRODUCT NAME:** MEC AMINE-D®  
**CHEMICAL NAME:** Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid; Dimethylamine Salt of (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid; Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic acid)  
**CHEMICAL FAMILY:** Phenoxy Herbicide  
**EPA REG. NO.:** 34704-239  
**MSDS Number:** 000239-12-LP1 **MSDS Revisions:** Sections 2, 4, 7, 8, 12, 13, 14, 15 **Date of Issue:** 01/09/13 **Supersedes:** 03/29/12

**2. HAZARDS IDENTIFICATION SUMMARY****KEEP OUT OF REACH OF CHILDREN – DANGER** Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or on clothing.

This product is clear, light amber liquid with typical phenoxy herbicide odor.

**3. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Ingredients:</b>	<b>Percentage by Weight:</b>	<b>CAS No.</b>	<b>TLV (Units)</b>
Dimethylamine salt of 2,4-D*	30.56	2008-39-1	10 mg/m <sup>3</sup>
Dimethylamine salt of Mecoprop-P**	8.17	16484-77-8	not established
Dimethylamine salt of Dicamba***	2.77	2300-66-5	not established
Inert ingredients	58.50		

**4. FIRST AID MEASURES**

**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 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.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin 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.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.** Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

**Note to Physician:** If in eyes, specialized ophthalmologic attention may be necessary. If swallowed, probably mucosal damage may contraindicate gastric lavage. There is no specific antidote; treat symptomatically.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT (\*F/ Test Method):** Does not flash

**FLAMMABLE LIMITS (LFL & UFL):** None established

**EXTINGUISHING MEDIA:** Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.

**HAZARDOUS COMBUSTION PRODUCTS:** Ammonia, oxides of nitrogen, chlorine-containing compounds and other unknown hazardous materials may be formed in a fire situation.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus with full protective clothing. Fight fire from upwind and keep all non-essential personnel out of area of intense smoke.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** If water is used to fight fire and/or cool containers, contain runoff, using dikes to prevent contamination of water supplies.

**6. ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**  
 Contain spill and absorb with suitable absorbent, sweep up material and transfer to containers for possible land application according to label use or for proper disposal. Wash spill area with water containing strong detergent, absorb and sweep up as above. Check local, state and federal regulations for proper disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**7. HANDLING AND STORAGE**

**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.

**STORAGE:** KEEP FROM FREEZING. Store in a safe manner. Store in original container only. Keep container tightly closed when not in use. Do not contaminate water, food, or feed by storage or disposal.

**Personal Protective Equipment (PPE):** All mixers, loaders, applicators, and other handlers, must wear: long sleeved shirt and long pants, shoes and socks, protective eyewear\*, chemical-resistant gloves, except for applicators using ground boom equipment, and chemical resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate. \*Eye protection is not required ONLY when 5 or more parts water is used to dilute 1 part of this product.

**User safety requirements:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**RESPIRATORY PROTECTION:** Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator.

**EYE PROTECTION:** Chemical goggles or shielded safety glasses.

**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
2,4-D Acid	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Dimethylamine	18 mg/m <sup>3</sup>	9.2 mg/m <sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** Clear, light amber liquid with typical phenoxy herbicide odor. **SOLUBILITY:** Miscible

**SPECIFIC GRAVITY (Water = 1):** 1.1270 g/ml **BULK DENSITY:** 9.41 lbs/gal **pH:** 8.64 (neat)

**VAPOR PRESSURE:** 0.021 mm Hg **BOILING POINT:** 212°F/100°C

**PERCENT VOLATILE (by volume):** <50% (water) **EVAPORATION RATE (Butyl Acetate = 1):** Lower than Butyl Acetate

**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**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Extreme heat or extreme cold.

**INCOMPATIBILITY:** Strong oxidizers and acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, other chlorine containing compounds, oxides of nitrogen, and other unknown hazardous materials may be formed in a fire situation. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute Oral LD<sub>50</sub> (rat):** 375 mg/kg (2,4-D Acid) **Acute Dermal LD<sub>50</sub> (rabbit):** 1400 mg/kg (2,4-D Acid)

**Eye Irritation (rabbit):** Corrosive; causes irreversible eye damage **Skin Irritation (rabbit):** Non-irritating

**Inhalation LC<sub>50</sub> (rat):** >5.28 mg/L (24 HR) **Skin Sensitization (guinea pig):** Not a sensitizer.

**Carcinogenic Potential:** None listed in OSHA or NTP, ACGIH (TLV-A4: Not Classifiable as a Human Carcinogen); IARC (Group 2B: limited evidence for carcinogenicity in humans).

**Target Organs:** 2,4-D: Skin, CNS, liver, kidneys

**12. ECOLOGICAL INFORMATION**

This product is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. 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 may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

## MATERIAL SAFETY DATA SHEET

MEC AMINE-D®

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. 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.

**CONTAINER DISPOSAL:**

Nonrefillable container: Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrcycle.org](http://www.acrcycle.org). If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. For packages equal to or less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. For packages with capacities greater than 5 gallons or 80 pounds: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Clearing the container before final disposal is the responsibility of the person disposing of the container. Clearing before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Do not contaminate water, food, or feed by storage or disposal.

## TRANSPORT INFORMATION

DOT Shipping Description: LESS THAN 35 GALLONS: NOT REGULATED BY DOT

DOT Shipping Description: 35 GALLONS AND GREATER: RQ UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D), 9, III ERG GUIDE 171

U.S. Surface Freight Classification: COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS 60)

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

## 15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:		NFPA		HMIS	
3	Health	0	Least	3	Health
0	Flammability	1	Slight	0	Flammability
0	Instability	2	Moderate	0	Reactivity
		3	High	C	PPE
		4	Severe		

## SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N  
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: 2,4-D Acid (CAS: 94-75-7) 100 pounds; Dicamba (CAS: 1918-00-9) 1000 pounds  
SARA, Title III, Section 313: 2,4-D Acid (CAS: 94-75-7) 25.38% acid equivalent; Dimethylamine Dicamba (CAS: 2300-66-5) 2.30% acid equivalent.  
RCRA Waste Code: Not listed  
CA Proposition 65: U240; D016.

**DANGER**—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.

**MATERIAL SAFETY DATA SHEET****MEC AMINE-D®****16. OTHER INFORMATION****MSDS STATUS:** Sections 2, 4, 7, 8, 12, 13, 14, and 15 revised**PREPARED BY:** Registrations and Regulatory Affairs**REVIEWED BY:** Environmental Health and Safety

\*2.44 lbs./gal or 25.38% 2,4-D Acid Equivalent

\*\*0.65 lbs./gal or 6.75% Mecoprop-P Acid Equivalent

\*\*\*0.22 lbs./gal or 2.30% Dicamba Acid Equivalent

®Mec Amine-D is a registered trademark of Loveland Products, Inc.

**Disclaimer and Limitation of Liability:** This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.