



Drexel
SAFETY DATA SHEET

DREXEL ME-TRY-BUZIN™ 4L**SECTION 1: MATERIAL IDENTIFICATION**

Product Name: Drexel Me-Try-Buzin™ 4L
EPA Reg. No.: 19713-706
Product Usage: Herbicide
Manufacturer: Drexel Chemical Company
Address: 1700 Channel Avenue
 PO Box 13327
 Memphis, Tennessee, 38113-0327, USA
 901-774-4370

Emergency Telephone Numbers: CHEMTREC 800-424-9300
 DREXEL CHEMICAL COMPANY 901-774-4370

This product is an EPA FIFRA registered pesticide. Some of the classifications on this SDS are not the same as the FIFRA label. Certain sections of this SDS are superseded by federal law governed by EPA for a registered pesticide. Refer to SECTION 15: REGULATORY INFORMATION for explanation.

SECTION 2: HAZARD IDENTIFICATION

(As defined by the OSHA Hazard Communication Standard, 29)

Label Elements:**Signal Word:****DANGER****Pictograms:****Classifications:****Hazard Class:****Toxicity Study:**

Acute Toxicity, Oral
 Acute Toxicity, Dermal
 Acute Toxicity, Inhalation

Category:

Category 4
 Category 4
 Category 2

Hazard Statements:**H Code:****Statement:**

H302 Harmful if swallowed
 H312 Harmful if in contact with skin
 H330 Fatal if inhaled

Precautionary Statements:**Prevention:**

Wash face, hands and any exposed skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Use only outdoors or in a well-ventilated area.
 In case of inadequate ventilation, wear respiratory protection.
 Avoid release into the environment.

Response:

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get immediate medical advice/attention.
If Swallowed: Call a POISON CENTER or doctor/physician if you feel unwell. Treat symptomatically.
If Inhaled: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER or doctor if you feel unwell.



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If on Skin or Clothing: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
If exposed or concerned: None available, get medical attention.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with your local or area regulatory authorities.

Specific hazards: None available.

SECTION 3: COMPOSITION INFORMATION

Chemical Name:	Synonym	CAS No.:	EC No.:	RTECS:	% By Wt:
Active Ingredient: Metribuzin	4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5 (4H)-one	21087-64-9	244-209-7	XZ299000	41.0%
Inert Ingredients:	N/A	N/A	N/A	N/A	59.0%

SECTION 4: FIRST-AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency medical treatment information.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15 to 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 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.

Skin/Clothing Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Indication of Medical Attention and Special Treatment Needed: None / Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Fire Fighting Media: Carbon dioxide (CO₂). Aquatic. Foam.

Fire Fighting Procedures: Wear self-contained breathing apparatus with full protective clothing. Evacuate area and fight fire from a safe distance. Minimize the amount of water used for firefighting. Equipment should be completely decontaminated after use.

Special Protective Equipment for Firefighters: Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.



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Specific Fire Hazards: If water is used to fight fire or cool containers, contain runoff, using dikes to prevent contamination of water supplies. Avoid using heavy water streams.

Hazardous Combustion Products: Hazardous combustion products: Oxides of nitrogen. Oxides of carbon. Hydrogen cyanide. Sulfur oxides.

National Fire Protection Association:

	<u>NFPA:</u>	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>
		1	1	1
Ratings:	4-Extreme	3-High	2-Moderate	1-Slight
			1-Slight	0-Insignificant

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to SECTION 7: HANDLING AND STORAGE, for additional precautionary measures. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION.

Environmental Precautions:

Prevent from entering soil, ditches, sewers, waterways and/or groundwater. Refer to SECTION 12: ECOLOGICAL INFORMATION.

Steps to be taken if Material is Released or Spilled:

Control the spill at its source.

Small spills: Avoid contact with spilled material or contaminated surfaces. Use recommended safety equipment when absorbing and sweeping up spilled material. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Place in a covered container for reuse or disposal. Scrub spill area with soap and water. Rinse with water. Dispose properly in accordance with all Federal, State and Local regulations. Contaminated soil may have to be removed and disposed of.

Large spills: Contact Drexel Chemical Company for clean-up assistance. Refer to SECTION 13: DISPOSAL CONSIDERATIONS, for additional information. Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7: HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN

Handling: **General Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not swallow. Avoid breathing dust. Use with adequate ventilation. Wear long-sleeved shirt, long pants and shoes with socks when handling. Keep away from heat, sparks and flame. Refer to SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Storage: Store in a cool, dry place, well ventilated. Store in such a manner to prevent cross contamination with other pesticides, fertilizers, food, and feed. Keep in original containers and keep containers closed when not in use. Do not store near children, food, foodstuffs, drugs or potable water supplies.

Incompatible material: Strong oxidizing agents

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

<u>Components:</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Metribuzin	(vacated) TWA: 5 mg/m ³	TWA: 5 mg/m ³
Inert Ingredients	N/A	N/A

THIS SECTION IS FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD REFER TO THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.



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Engineering Controls:

Ventilation: Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Personal Protection:

Eye/Face Protection: Wear chemical splash goggles to prevent vapors or mists from entering the eyes. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields.

Ingestion: Avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area; wash hands and face thoroughly with soap and water before smoking or eating. Avoid getting wash water in eyes.

Hand Protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene, Nitrile/butadiene rubber ("nitrile" or "NBR") or Polyvinyl chloride ("PVC" or "vinyl").

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

Respiratory Protection: Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full face piece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Reported Value
Physical State	Viscous liquid
Appearance / Color	Off-White
Odor	Slight/ Faint
Odor threshold	Not available
pH	5.0 - 8.0
Relative density	9.55 lbs./ gal.
Melting point/Freezing point	Not available
Boiling point	Not available
Flash point	> 100 °C (> 212 °F)
Evaporation rate	Not available
Flammability	Non-flammable
Upper flammability/explosive limits	Not available
Lower flammability/explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Solubility in water	Disperse
Solubility in organic solvents	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available



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Viscosity	500 - 700cP
Explosive properties	Not available
Oxidizing properties	Not available
Dissociation Constant	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Thermally stable at typical use temperatures and in closed containers
Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Sustained temperatures above 100° F
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxides

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

Potential routes of exposure/potential health effects:	Skin contact, Eye Contact, Ingestion
Acute Oral:	LD₅₀ (Rat): 1,871 mg/kg
Acute Dermal:	LD₅₀ (Rat): > 2,000 mg/kg
Acute Inhalation:	LC₅₀ (Rat): >1,881 mg/l air - (4hr) No deaths
Eye Irritation:	(Rabbit): Not an irritant
Skin Irritation:	(Rabbit): Not an irritant
Skin Sensitization:	(Guinea Pig): Not a Skin Sensitizer

Chronic Toxicity: No data available

Carcinogenicity: None listed in OSHA, NTP, or IARC.
ACGIH lists Metribuzin as TLV-A4: Not Classifiable as a Human Carcinogen.
EPA lists Metribuzin as EPA-D: Not Classifiable as to Human Carcinogenicity.

Mutagenicity: No data available

Teratogenicity: No data available

Reproductive Toxicity: No data available

Developmental Toxicity: No data available

Other Hazards Effects: No data available

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

Metribuzin Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean highwater mark. Do not clean equipment or dispose of equipment washwater in a manner that will contaminate water resources or arable land. Do not apply when weather conditions favor drift from treated areas.

ECO-ACUTE TOXICITY

Aquatic Toxicity:	Rainbow Trout , LC₅₀	No data available
	Bluegill Sunfish, LC₅₀	No data available
	Daphnia magna, 48 hour, LC₅₀	No data available
Arthropod Toxicity:	Bees, Acute LD₅₀	No data available
Bird Toxicity:	Mallard Duck , LD₅₀	No data available
	Bobwhite Quail, LD₅₀	No data available



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Persistence and degradability:	Not established
Bioaccumulation:	Not established
Mobility in soil:	No data available
Other adverse effects:	Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

SECTION 13: DISPOSAL CONSIDERATIONS

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: TRANSPORT INFORMATION

DOT:	NOT REGULATED
IMDG:	NOT REGULATED
IATA / ICAO :	NOT REGULATED
UN Identification No.:	Not Regulated
Proper Shipping Name:	Not Regulated
Hazard Class:	Not Regulated
Packing Group:	Not Regulated
Reportable Quantity:	Not Regulated
Environmental Hazard:	Not Regulated
Freight Description:	COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS: 60)
ERG Guide No.:	171

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

Pesticide Registration: This product is a pesticide registered by the Environmental Protection Agency (EPA) and is subject to certain FIFRA 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.

EPA/ FIFRA Signal Word:	CAUTION
EPA Reg. No.:	19713-706
OSHA Hazard Communication Standard:	This product is NOT a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR1910.1200.

EPCRA SARA Title III Classification:

Section 302:	Extremely Hazardous Substance Notification:	No data available
Sections 311 and 312:	Immediate (Acute) Health Hazard:	Yes
	Delayed (Chronic) Health Hazard:	No
	Fire Hazard:	No
	Reactive Hazard:	Yes
	Sudden Release of Pressure Hazard:	No



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Section 313 Toxic Release Inventory (TRI):	Metribuzin, (CAS No.: 21087-64-9), 41.0%
CERCLA/SARA 304 Reportable Quantity (RQ) :	Not listed
RCRA Hazardous Waste Classification (40 CFR 261):	Not listed
US EPA Toxic Substances Control Act (TSCA):	Not listed
California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):	No data available

SECTION 16: OTHER INFORMATION

Date Issued:	March 06, 2019	Date Supersedes:		Revision:	0
For all non-emergency questions about this product, please contact:	1700 Channel Avenue PO Box 13327 Memphis, Tennessee 38113-0327, USA			Phone: 901-774-4370 Fax: 901-774-4666 Website: www.drexchem.com	

Drexel Chemical Company recommends that each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.