



# Diablo® Herbicide

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 10/8/2024 Version: 1.0

### SECTION 1: Identification

#### Identification

Product form : Mixture  
Trade name : Diablo® Herbicide  
Other means of identification : EPA Reg. No. 228-379

#### Recommended use and restrictions on use

Recommended use : Herbicide  
Restrictions on use : All other uses not recommended above

#### Supplier

Nufarm Americas, Inc.  
11901 South Austin Avenue  
Alsip, IL 60803  
United States  
T 1-800-345-3330  
[www.nufarm.com](http://www.nufarm.com)

#### Emergency telephone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 16105

### SECTION 2: Hazard(s) identification

#### Classification of the substance or mixture

#### GHS US classification

Serious eye damage/eye irritation Category 2B Causes eye irritation  
Full text of H statements : see section 16

#### GHS Label elements, including precautionary statements

#### GHS US labeling

Signal word (GHS US) : Warning  
Hazard statements (GHS US) : Causes eye irritation  
Precautionary statements (GHS US) : Wash hands, forearms and face thoroughly after handling.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Other hazards which do not result in classification

No additional information available

#### Unknown acute toxicity (GHS US)

No additional information available

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### SECTION 3: Composition/Information on ingredients

#### Substances

Name	Product identifier	%	GHS US classification
3,6-dichloro-o-anisic acid, compound with dimethylamine (1:1)	CAS-No.: 2300-66-5	48 – 51	Eye Irrit. 2, H319 Aquatic Chronic 3, H412

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### Description of first aid measures

First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

#### Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting.
Most Important Symptoms/Effects	: Eye irritation.

#### Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Thermal decomposition generates: Hydrogen chloride. Carbon dioxide. Carbon monoxide.

#### Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

General measures : Avoid all personal contact including breathing in the gas, mist, spray, vapors. Do not take actions involving personal risks.

#### For non-emergency personnel

Protective equipment : Wear the recommended personal protective equipment.  
Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area.

#### For emergency responders

Protective equipment : Wear the recommended personal protective equipment.  
Emergency procedures : Evacuate personnel to a safe area. Ventilate spillage area.

#### Environmental precautions

Follow product instructions and best practices for use to avoid misapplications of the product. Do not negligently allow product to enter off-target drains, sewers, or ground water.

#### Methods and material for containment and cleaning up

For containment : Contain with non-combustible inert absorbent.  
Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Decontaminate surfaces and equipment with water and detergent. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product.

#### Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

### SECTION 7: Handling and storage

#### Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.

#### Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Keep cool. Protect from sunlight. Keep only in original container.  
Incompatible materials : Strong acids, strong bases and strong oxidants.

### SECTION 8: Exposure controls/personal protection

#### Control parameters

No additional information available

#### Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits.

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Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

### Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment.

<b>Hand protection:</b>
Protective gloves made of : Nitrile rubber, Polyvinylchloride (PVC)
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
No respiratory protection needed under normal use conditions. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	: Liquid.
Color	: Dark brown
Odor	: Slight Amine-like
Odor threshold	: No data available
pH	: 5.2
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.152 g/ml @ 20° C/68° F
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 6.342 mm²/s @20° C/68° F
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

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### SECTION 10: Stability and reactivity

Reactivity:	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions of use.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Incompatible materials.
Incompatible materials	: Oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	: Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Chlorine. Nitrogen oxides.

### SECTION 11: Toxicological information

#### Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Diablo® Herbicide	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 2.02 mg/l No mortalities at highest tested dose

Skin corrosion/irritation	: Slightly irritating to rabbits on cutaneous application pH: 5.2
Serious eye damage/irritation	: Mildly irritating to rabbits on ocular application pH: 5.2
Respiratory or skin sensitization	: No sensitizing reaction was observed for guinea pigs
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 6.342 mm²/s @20° C/68° F
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting.
Most Important Symptoms/Effects	: Eye irritation.

### SECTION 12: Ecological information

#### Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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### Persistence and degradability

No additional information available

### Bioaccumulative potential

No additional information available

### Mobility in soil

No additional information available

### Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### Disposal methods

- Regional waste regulation
- Waste treatment methods
- Product/Packaging disposal recommendations
- Ecological waste information
- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
- : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
UN number		
Not regulated for transport		
Proper Shipping Name		
Not regulated	Not regulated	Not regulated
Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
Packing group		
Not regulated	Not regulated	Not regulated
Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

### Special precautions for user

DOT  
Not regulated

IMDG  
Not regulated

IATA  
Not regulated

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### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

3,6-dichloro-o-anisic acid, compound with dimethylamine (1:1)	CAS-No. 2300-66-5	48 – 51%
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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Dimethylamine Salt of Dicamba (3,6-Dichloro-o-anisic Acid)	CAS-No. 2300-66-5	48 – 51%
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### FIFRA Labelling

EPA Registration Number	228-379
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This chemical is a pesticide product registered by the U.S. 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

### 15.2. International regulations

#### CANADA

#### Dimethylamine Salt of Dicamba (3,6-Dichloro-o-anisic Acid) (2300-66-5)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

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Full text of hazard classes and H-statements	
H319	Causes serious eye irritation
H320	Causes eye irritation
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.