

SAFETY DATA SHEET



Revision date 19-Jul-2023

Revision Number 1

1. Identification

Product identifier

Product Name Durango DMA

Other means of identification

Product Code(s) 83100-76

UN number or ID number UN3082

Synonyms None

Registration Number(s) 83100-76

Recommended use of the chemical and restrictions on use

Recommended use Herbicide

Restrictions on use Follow label instructions

Details of the supplier of the safety data sheet

Company Address

ALBAUGH LLC
1525 NE 36th St,
Ankeny, IA 50021 USA

Emergency telephone number

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident:

- Call CHEMTREC Day or Night within USA and Canada: 1-800-424-9300, Outside USA and Canada: +1 703-741-5970

(collect calls accepted)

For Medical Emergencies Only:

- Call Albaugh LLC Day or Night within USA and Canada: 1-888-347-6732

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 Certain sections of this SDS are superseded by federal law governed by US EPA for a registered pesticide.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

2. Hazard(s) identification

Classification

| | |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2B |
| Skin sensitization | Category 1B |

Hazards not otherwise classified (HNOC)

Not applicable

Label elements**Warning****Hazard statements**

Causes eye irritation

May cause an allergic skin reaction

**Appearance** Liquid**Physical state** Liquid**Odor** amine-like**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace

Wear protective gloves

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

IF ON SKIN: Wash with plenty of water and soap

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

May be harmful if swallowed. May be harmful in contact with skin.

3. Composition/information on ingredients**Substance**

Not applicable.

Mixture

| Chemical name | CAS No | Weight-% | Active Ingredient |
|---------------------|-------------|-----------|-------------------|
| Glyphosate DMA Salt | 34494-04-7 | 48.7-51.7 | X |
| Other Ingredients | PROPRIETARY | >48 | |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures**Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration.

| | |
|---------------------|---|
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention if irritation develops and persists. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Skin contact | May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. |

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

| | |
|---|--|
| Suitable Extinguishing Media Large Fire | Alcohol resistant foam. Water spray. Move containers from fire area if you can do it without risk. |
| Unsuitable extinguishing media | No information available. |
| Specific hazards arising from the chemical | Product is or contains a sensitizer. May cause sensitization by skin contact. |
| Hazardous combustion products | Phosphorus oxides. Carbon oxides. Nitrogen oxides (NOx). |
| Explosion data | |
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | None. |
| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|--|
| Personal precautions | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. |
| Other information | Refer to protective measures listed in Sections 7 and 8. |

Methods and material for containment and cleaning up

| | |
|--------------------------------|---|
| Methods for containment | Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Dike to collect large liquid spills. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. |
| Methods for cleaning up | Pick up and transfer to properly labeled containers. |

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not smoke. Do not get in eyes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with local regulations. Store in accordance with the particular national regulations. Keep in properly labeled containers.

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing. Apron. Boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-----------------------|--------|
| Physical state | Liquid |
| Appearance | Liquid |
| Color | yellow |

Odor amine-like
Odor threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|--|-------------------------|
| pH pH (as aqueous solution) | 4.59 | |
| Melting point / freezing point | No data available | |
| Initial boiling point and boiling range | No data available | |
| Flash point | > 100 °C / 212 °F | |
| Evaporation rate | No data available | |
| Flammability | No data available | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapor pressure | No data available | |
| Relative vapor density | No data available | |
| Relative density | No data available | |
| Water solubility | No data available | |
| Solubility(ies) | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | No data available | |
| Decomposition temperature | | |
| Kinematic viscosity | No data available | |
| Dynamic viscosity | 62.3 mPa.s (68 °F / 20 °C) / 32.5 mPa.s (104 °F / 40 °C) | |

Other information

Explosive properties No information available
Oxidizing properties No information available
Softening point No information available
Molecular weight No information available
VOC content No information available
Liquid Density 1.2114 g/cm³
Bulk density No information available

**Listed density is an approximate value and does not necessarily represent that of a specific batch*

10. Stability and reactivity

Reactivity Not applicable.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid None known based on information supplied.

Incompatible materials None known based on information supplied.

Hazardous decomposition products Decomposition products depend upon temperature, air supply and the presence of other materials. Carbon oxides. Nitrogen oxides (NO_x). Phosphorus oxides.

11. Toxicological information

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes eye irritation. May cause redness, itching, and pain. |
| Skin contact | May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May be harmful in contact with skin. |
| Ingestion | May be harmful if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

No information available

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|------------------------|---------------|
| Oral LD50 | > 5,000 mg/kg |
| Dermal LD50 | > 5,000 mg/kg |
| Inhalation LC50 | > 5.63 mg/l |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|--|
| Skin corrosion/irritation | Non-irritant. |
| Serious eye damage/eye irritation | Mildly irritating. |
| Respiratory or skin sensitization | May cause sensitization by skin contact. Skin sensitizer in guinea pig. |
| Germ cell mutagenicity | No classification is proposed, based on conclusive negative data. |
| Carcinogenicity | EPA has given Glyphosate a Group E Classification (evidence of non-carcinogenicity in humans). Canada PMRA has classified Glyphosate as non-carcinogenic. In 2015, IARC classified Glyphosate as a probable human carcinogen Group 2A based on limited human evidence and some evidence in animals. |
| Reproductive toxicity | For similar active ingredient(s)., Glyphosate., In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. For similar active ingredient(s)., Glyphosate., Has been toxic to the fetus in laboratory animals at doses toxic to the mother., Did not cause birth defects in laboratory animals. |
| STOT - single exposure | Based on available data, the classification criteria are not met. |
| STOT - repeated exposure | Based on available data, the classification criteria are not met. |
| Target organ effects | Respiratory system, Eyes, Skin. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Other adverse effects | No information available. |
| Interactive effects | No information available. |

12. Ecological information

| | |
|--------------------------------------|---|
| Ecotoxicity | <p>Toxic to aquatic life. Toxic to aquatic life with long lasting effects.</p> <p>Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 11 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 or Equivalent Remarks: For similar material(s): Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 17 mg/l Exposure time: 48 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 202 or Equivalent Toxicity to algae/aquatic plants: ErC50 (Pseudokirchneriella subcapitata (green algae)): 2.1 mg/l End point: Growth rate inhibition Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 or Equivalent Toxicity to soil dwelling organisms: LC50 (Eisenia fetida (earthworms)): > 996.6 mg/kg Exposure time: 14 d End point: survival Remarks: Based on information for a similar material: Toxicity to terrestrial organisms: oral LD50 (Coturnix japonica (Japanese quail)): > 2250 mg/kg bodyweight. Remarks: Based on information for a similar material: oral LD50 (Apis mellifera (bees)): > 250 µg/bee Exposure time: 48 h Remarks: Based on information for a similar material: contact LD50 (Apis mellifera (bees)): > 250 µg/bee Exposure time: 48 h Remarks: Based on information for a similar material</p> |
| Persistence and degradability | <p>Glyphosate DMA Salt: Biodegradability: Result: Not readily biodegradable. Remarks: For similar active ingredient(s). Glyphosate. Biodegradation may occur under aerobic conditions (in the presence of oxygen). Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.</p> |
| Bioaccumulation | <p>Glyphosate DMA Salt: Bioaccumulation: Species: Lepomis macrochirus (Bluegill sunfish) Bioconcentration factor (BCF): < 1 Remarks: Bioaccumulation is unlikely.</p> |
| Mobility in soil | <p>Glyphosate DMA Salt: Bioaccumulation: Species: Lepomis macrochirus (Bluegill sunfish) Bioconcentration factor (BCF): < 1 Remarks: Bioaccumulation is unlikely.</p> |
| Other adverse effects | <p>Glyphosate DMA Salt: Results of PBT and vPvB assessment: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).</p> |

Ozone depletion potential (ODP) This substance is not on the Montreal Protocol list of substances that deplete the ozone layer

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT
UN number or ID number Not regulated
UN3082

IATA
UN number or ID number UN3082
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Glyphosate DMA Salt)
Transport hazard class(es) 9
Packing group III
Packing Instruction (cargo aircraft) 964
Packing instruction (passenger aircraft) 964

15. Regulatory information

U.S. EPA Label Information

EPA Pesticide Registration Number 83100-76

EPA Pesticide Label Caution. Causes moderate eye irritation.

International Inventories

TSCA Does not comply
DSL/NDSL Does not comply
EINECS/ELINCS Does not comply
ENCS Does not comply
IECSC Does not comply
KECL Does not comply
PICCS Does not comply
AIIC Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICC - Australian Inventory of Industrial Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|--------------------|------------|---------------|--------------|
| Water 7732-18-5 | - | - | X |

16. Other information

| | | | | |
|-----------------------------------|----------------------------------|-----------------------|---------------------------|------------------------------|
| NFPA | Health hazards 2 | Flammability 1 | Instability 0 | Special hazards - |
| HMIS | Health hazards 2 | Flammability 1 | Physical hazards 0 | Personal protection X |
| <i>Chronic Hazard Star Legend</i> | <i>* = Chronic Health Hazard</i> | | | |

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 19-Jul-2023
Revision Note No information available.

Disclaimer

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End of Safety Data Sheet