

**DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology**

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology
Tradename/Synonym : Benzoic acid, 3,6-dichloro-2-methoxy-, compd. with 2-(2-aminoethoxy) ethanol (1:1)

Product Use : Herbicide

Restrictions on use : Do not use product for anything outside of the above specified uses.

Manufacturer/Supplier : DuPont
974 Centre Road
Wilmington, DE 19805, USA

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887) :

SECTION 2. HAZARDS IDENTIFICATION

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

Other hazards

Information presented in Section 2 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology**

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

Component	CAS-No.	Concentration
Diglycolamine salt of dicamba 3,6-dichloro-o-anisic acid	104040-79-1	42.8 %
Other Ingredients		57.2 %

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- General advice** : First Aid responders should pay attention to self-protection and use the recommended protective clothing. Move the victim to fresh air. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
For medical emergencies involving this product, call toll free 1-800-441-3637. See Label for Additional Precautions and Directions for Use. Information presented in Section 4 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.
- Inhalation** : Move 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 treatment advice.
- Skin contact** : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact** : 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.

**DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology**

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

- Ingestion : Call a physician or poison control centre immediately. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.
- Most important symptoms/effects, acute and delayed : No applicable data available.
- Protection of first-aiders : No applicable data available.
- Notes to physician : No applicable data available.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)
- Unsuitable extinguishing media : No applicable data available.
- Specific hazards : Carbon monoxide, Hydrogen chloride, Nitrogen oxides (NO_x)
Minimize use of water to prevent environmental contamination.
- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus. Decontaminate all equipment used in fire fighting efforts before returning to service.
- Further information : (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear suitable protective equipment.

**DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology**

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Spill Cleanup : Sweep up and shovel into suitable containers for disposal.
- Accidental Release Measures : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Do not contaminate water, food or feed by disposal. Handle in accordance with good industrial hygiene and safety practice.
- Handling (Physical Aspects) : No applicable data available.
- Dust explosion class : No applicable data available.
- Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed to prevent contamination. Keep out of the reach of children.
- Storage period : No applicable data available.
- Storage temperature : Minimum Storage Temperature: -20 °C
Maximum Storage Temperature: 60 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls : When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown. Information presented in Section 8 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by

**DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology**

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

Personal protective equipment
Exposure Guidelines
Exposure Limit Values

Contains no substances with occupational exposure limit values.

This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : liquid
Form : liquid
Color : green

Odor : sour

Odor threshold : No applicable data available.

pH : ~ 5.3

Melting point/range : No applicable data available.

Boiling point/boiling range : No applicable data available.

Flash point : does not flash

Evaporation rate : No applicable data available.

Flammability (solid, gas) : No applicable data available.

Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.

Vapour Pressure : No applicable data available.

Vapour density : No applicable data available.

**DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology**

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

Density	: 1.204 g/cm ³
Specific gravity (Relative density)	: No applicable data available.
Water solubility	: soluble
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: log Pow: 2.21
Partition coefficient: n-octanol/water	: log Pow: 0.51
Auto-ignition temperature	: No applicable data available.
Decomposition temperature	: No applicable data available.
Viscosity, kinematic	: No applicable data available.
Viscosity, dynamic	: No applicable data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardous reactions	: Possible hazardous reactions under specific conditions
Conditions to avoid	: Avoid contact with: oxidizers Heat
Incompatible materials	: Avoid: oxidizing agents
Hazardous decomposition products	: Carbon monoxide, Hydrogen chloride, Nitrogen oxides (NO _x)


DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

SECTION 11. TOXICOLOGICAL INFORMATION

DuPont(TM) FeXapan(TM) herbicide plus VaporGrip(TM) Technology

- | | | |
|--|---|--|
| Inhalation 4 h LC50 | : | > 5.11 mg/l , Rat |
| Dermal LD50 | : | > 5,000 mg/kg , Rat |
| Oral LD50 | : | > 5,000 mg/kg , Rat |
| Skin irritation | : | No skin irritation, Rabbit |
| Eye irritation | : | Rabbit
Minimal effects that do not meet the threshold for classification. |
| Sensitisation | : | Did not cause sensitisation on laboratory animals., Guinea pig |
| Carcinogenicity | : | Did not show carcinogenic effects in animal experiments. |
| Mutagenicity | : | Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Did not show mutagenic effects in animal experiments. |
| Reproductive toxicity | : | Animal testing did not show any effects on fertility. |
| Teratogenicity | : | Evidence suggests the substance is not a developmental toxin in animals. |
| Further information | : | Information given is based on data on the components. |
| Further information | : | Information presented in this Section conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies. |
| Diglycolamine salt of dicamba 3,6-dichloro-o-anisic acid | | |
| Repeated dose toxicity | : | Ingestion
Rat
- 105 d
NOAEL: 342 mg/kg
LOAEL: 682 mg/kg
No toxicological effects warranting significant target organ toxicity |


DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

classification were seen below the recommended guidance values for classification., Information given is based on data obtained from similar substances.

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 12. ECOLOGICAL INFORMATION
Aquatic Toxicity

DuPont(TM) FeXapan(TM) herbicide plus VaporGrip(TM) Technology

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 135 mg/l

48 h EC50 : Daphnia magna (Water flea) 110 mg/l

Diglycolamine salt of dicamba 3,6-dichloro-o-anisic acid

96 h EC50 : Selenastrum capricornutum (green algae) 3.7 mg/l OECD Test Guideline 201

Information given is based on data obtained from similar substances.

Additional ecological information : Information given is based on data on the components.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : Keep out of drains, sewers, ditches and water ways. Recycle if appropriate facilities/equipment available. Follow all local/regional/national/international regulations.

Waste disposal methods - Container : Container Refilling and Disposal:
Refer to the product label for instructions. Empty containers may contain toxic vapours. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Ensure container is empty. Triple rinse(or equivalent) the container. Do not contaminate water when disposing of rinse

**DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology**

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

water. Do not re-use empty containers. Store for collection by approved waste disposal service. Recycle if appropriate facilities/equipment available. Do not transport if this container is damaged or leaking. Follow all local/regional/national/international regulations.

If the container is damaged, leaking or obsolete, contact DuPont at 1-800-441-3637.

Contaminated packaging : No applicable data available.

SECTION 14. TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA.

SECTION 15. REGULATORY INFORMATION

Other regulations : This Safety Data Sheet is for a pesticide product registered by the US Environmental Protection Agency (USEPA) and various state regulatory agencies, and is therefore also subject to certain requirements under US and state pesticide laws, including the Federal Insecticide Fungicide and Rodenticide Act (FIFRA). These requirements differ from the classification criteria and hazard information required by OSHA for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is information determined by USEPA, and various states.

CAUTION!

Causes moderate eye irritation.

SARA 313 Regulated Chemical(s) : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

EPA Reg. No. : 352-913



DuPont™ FeXapan™ herbicide plus VaporGrip™ Technology

Version 3.0

Revision Date 02/09/2017

Ref. 130000142611

SECTION 16. OTHER INFORMATION

Revision Date : 02/03/2016

Contact person : DuPont Crop Protection, Wilmington, DE, 19805, Phone: 1-888-638-7668

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.