

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

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™ Abundit Edge Herbicide

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

Product hazard category
Acute toxicity (Inhalation) Category 4

Label content
Pictogram :



Signal word : Warning

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

Hazardous warnings : Harmful if inhaled.

Hazardous prevention measures : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Use only outdoors or in a well-ventilated area.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.

Other hazards
No applicable data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Potassium salt of glyphosate	70901-12-1	48.7 %
Other Ingredients		51.3 %

SECTION 4. FIRST AID MEASURES

General advice : 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.

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

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.
Ingestion	: Call a poison control center or doctor for treatment advice. 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	: Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water, Foam, Dry chemical, Carbon dioxide (CO2)
Unsuitable extinguishing media	: No applicable data available.
Specific hazards	: Hazardous combustion products Carbon monoxide phosphorous oxides Nitrogen oxides (NOx)
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Wear full protective clothing and self-contained breathing apparatus. Thoroughly decontaminate all equipment used in fire fighting efforts before returning to service.



DuPont™ Abundit Edge Herbicide

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
(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) : No applicable data available.
 Environmental precautions : Prevent material from entering sewers, waterways, or low areas. Prevent product from entering drains.

Spill Cleanup : Clean-up methods - small spillage Prevent further leakage or spillage. Soak up with inert absorbent material. Shovel into suitable container for disposal. Small amounts: Flush with water. Clean-up methods - large spillage In case of spill or leak, soak up with sand, earth or synthetic absorbent and dispose of wastes in compliance with local, State and Federal regulations.

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) : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. When using do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before re-use.

Handling (Physical Aspects) : No applicable data available.
 Dust explosion class : No applicable data available.
 Storage : Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Store in original container. If frozen, thaw gently in warm room. Stable under recommended storage conditions.

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

Storage period : No applicable data available.

Storage temperature : No applicable data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Eye protection : When there is a potential for exposure: Chemical resistant goggles must be worn.

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 : pale red-brown

Odor : odourless

Odor threshold : No applicable data available.

pH : 4.3 - 4.8

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.

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

Lower explosion limit	:	No applicable data available.
Vapour Pressure	:	No applicable data available.
Vapour density	:	No applicable data available.
Density	:	1.3565 g/cm ³ at 20 °C (68 °F)
Specific gravity (Relative density)	:	No applicable data available.
Water solubility	:	miscible
Solubility(ies)	:	No applicable data available.
Partition coefficient: n-octanol/water	:	log Pow: -3.2 at 25 °C (77 °F)
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 applicable data available.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Polymerization will not occur.
Conditions to avoid	:	No applicable data available.
Incompatible materials	:	No materials to be especially mentioned.
Hazardous decomposition products	:	No applicable data available.

SECTION 11. TOXICOLOGICAL INFORMATION

DuPont™ Abundit Edge Herbicide

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

Inhalation 4 h LC50 : > 1.1 mg/l , Rat
Information given is based on data obtained from similar product.

Dermal LD50 : > 5,000 mg/kg , Rat
Information given is based on data obtained from similar product.

Oral LD50 : > 5,000 mg/kg , Rat
Information given is based on data obtained from similar product.

Skin irritation : Rabbit
Not classified as irritant

Minimal effects that do not meet the threshold for classification.
Information given is based on data obtained from similar product.

Eye irritation : Rabbit
Not classified as irritant

Minimal effects that do not meet the threshold for classification.
Information given is based on data obtained from similar product.

Sensitisation : Animal test did not cause sensitization by skin contact., Guinea pig

Potassium salt of glyphosate

Carcinogenicity : Animal testing did not show any carcinogenic effects.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Animal testing did not show any mutagenic effects.

Reproductive toxicity : Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity.

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.



DuPont™ Abundit Edge Herbicide

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

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).

Material	IARC	NTP	OSHA
Glyphosate	2A		

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Potassium salt of glyphosate

96 h LC50	:	Lepomis macrochirus (Bluegill sunfish) 5.2 mg/l
96 h LC50	:	Cyprinus carpio (Carp) 4.0 mg/l
72 h EC50	:	Selenastrum capricornutum (green algae) 0.46 mg/l
48 h LC50	:	Daphnia magna (Water flea) 8.0 mg/l

Toxicity to other organisms

Potassium salt of glyphosate

8 d LC50	:	Colinus virginianus (Bobwhite quail) > 4,500 ppm Dietary
8 d LC50	:	Anas platyrhynchos (Mallard duck) > 4,500 ppm Dietary

Environmental Fate

Potassium salt of glyphosate

Bioaccumulation	:	Lepomis macrochirus (Bluegill sunfish) Bioconcentration factor (BCF) : < 1 Bioaccumulation is unlikely.
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Additional ecological information

: Information given is based on data on the components and the ecotoxicology of similar products.

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods - Product : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Waste disposal methods - Container : Container Refilling and Disposal:
Refer to the product label for instructions.
Do not transport if this container is damaged or leaking.

In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night.

Contaminated packaging : Dispose of this product only by using according to this label.
Empty containers may contain toxic vapours.
Empty containers may contain hazardous residue.
Triple or preferably pressure rinse containers before disposal.
Do not contaminate water when disposing of equipment washwaters or rinsate.
Do not re-use empty containers.
Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated as a hazardous material by DOT.

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

**DuPont™ Abundit Edge Herbicide**

Version 2.0

Revision Date 04/28/2017

Ref. 130000147918

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. : 352-922
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

SECTION 16. OTHER INFORMATION

™ Trademark of E.I. du Pont de Nemours and Company.

Revision Date : 04/28/2017

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.



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