


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

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™ Agility® SG Herbicide (with TotalSol® soluble granules)  
 Tradename/Synonym : Agility SG Blend  
 DPX-QDT96 66.85 SG Blend  
 B12378639  
 Sodium salt of dicamba (3,6-dichloro-2-Methoxybenzoic acid)  
 Thifensulfuron Methyl: (Methyl 3-[[[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino]carbonyl]amino]-sulfonyl]-2-thiophenecarboxylate)  
 Tribenuron Methyl: (Methyl 2-[[[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]-amino]sulfonyl]benzoate)  
 Metsulfuron Methyl: (Methyl 2-[[[[[4-methoxy-6-methyl -1,3,5-triazin-2-yl)amino]carbonyl] amino]-sulfonyl]benzoate)

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**

Serious eye damage/eye irritation	Category 2A
Skin sensitisation	Sub-category 1B

**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

**Label content**

Pictogram

:



Signal word

: Warning

Hazardous warnings

: May cause an allergic skin reaction.  
Causes serious eye irritation.Hazardous prevention  
measures: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear eye protection/ face protection.  
Wear protective gloves.  
IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation or rash occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Wash contaminated clothing before reuse.  
Dispose of contents/ container to an approved waste disposal plant.**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.

**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Tribenuron methyl	101200-48-0	2.43 %
Metsulfuron methyl	74223-64-6	1.9 %
Thifensulfuron methyl	79277-27-3	4.7 %
Sodium 3,6-dichloro-o-anisate	1982-69-0	63.6 %
Sodium carbonate	497-19-8	1 - 5 %
Other Ingredients		28.13 - 32.13 %

**SECTION 4. FIRST AID MEASURES**


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

General advice	: 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. For medical emergencies involving this product, call toll free 1-800-441-3637. See Label for Additional Precautions and Directions for Use. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Inhalation	: No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
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	: No applicable data available.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
Unsuitable extinguishing media	: High volume water jet, (contamination risk)
Specific hazards	: Not a fire or explosion hazard. Under severe dusting conditions, this material may form explosive mixtures in air.

**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

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, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.

Environmental precautions : Prevent material from entering sewers, waterways, or low areas.

Spill Cleanup : Sweep up and shovel into suitable containers for disposal. For minor spills, leaks, etc., follow all precautions indicated on the label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

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) : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Handling (Physical Aspects) : Keep away from heat and sources of ignition.

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 in a cool, dry place. Keep out of the reach of


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

children.

Storage period : No applicable data available.

Storage temperature : No applicable data available.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls : 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 the US Environmental Protection Agency (EPA), or by state Regulatory Agencies. Ensure adequate ventilation. 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.

**Personal protective equipment**

Skin and body protection : Mixers, loaders, applicators and other handlers must wear:  
 Long sleeved shirt and long pants  
 Shoes plus socks  
 Chemical-resistant gloves  
 Protective eyewear  
 PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:  
 Coveralls worn over short-sleeved shirt and short pants  
 Chemical resistant footwear plus socks  
 Chemical resistant gloves made of any waterproof material  
 Chemical resistant headgear for overhead exposure  
 Protective eyewear

Protective measures : Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Use this product in accordance with its label.

Exposure Guidelines  
 Exposure Limit Values


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Tribenuron methyl			
AEL *	(DUPONT)	0.5 mg/m3	12 hr. TWA
AEL *	(DUPONT)	1 mg/m3	8 hr. TWA
Metsulfuron methyl			
AEL *	(DUPONT)	10 mg/m3	8 & 12 hr. TWA Total dust.
Thifensulfuron methyl			
AEL *	(DUPONT)	5 mg/m3	8 & 12 hr. TWA Total dust.
Sodium 3,6-dichloro-o-anisate			
No applicable data available.			
Sodium carbonate			
AEL *	(DUPONT)	5 mg/m3	8 & 12 hr. TWA Total dust.

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## Appearance

Physical state : solid  
 Form : solid, granules  
 Color : brown, light brown

Odor : No applicable data available.

Odor threshold : No applicable data available.

pH : 7.5 - 8.6

Melting point/range : No applicable data available.

Boiling point/boiling range : No applicable data available.

**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Flash point	:	No applicable data available.
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.
Specific gravity (Relative density)	:	No applicable data available.
Water solubility	:	No applicable data available.
Solubility(ies)	:	No applicable data available.
Partition coefficient: n-octanol/water	:	No applicable data available.
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	:	Stable at normal temperatures and storage conditions.
Possibility of hazardous reactions	:	Polymerization will not occur.
Conditions to avoid	:	None reasonably foreseeable.
Incompatible materials	:	None reasonably foreseeable.




**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Hazardous decomposition products : Decomposes slowly on exposure to water.

**SECTION 11. TOXICOLOGICAL INFORMATION**

DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)

Inhalation 4 h Acute toxicity estimate : > 5.1 mg/l , Rat  
 Dermal Acute toxicity estimate : > 2,233 mg/kg , Rabbit  
 Dermal : Rat

Oral Acute toxicity estimate : > 2,296 mg/kg , Rat

Skin irritation : No skin irritation, Rabbit  
 Minimal effects that do not meet the threshold for classification.

Eye irritation : Eye irritation, Rabbit

Sensitisation : The product is a skin sensitiser, sub-category 1B., Guinea pig

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.

Further information : Information given is based on data on the components.

Tribenuron methyl

Repeated dose toxicity : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral - feed  
 Mouse  
 - 90 d  
 NOAEL: 500 mg/kg  
 Reduced body weight gain

Oral  
 Rat  
 - 28 d


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Reduced body weight gain

Oral - feed

Mouse

- 90 d

Reduced body weight gain

Carcinogenicity : Not classifiable as a human carcinogen.  
An increased incidence of tumours was observed in laboratory animals.  
Target(s):  
Mammary glands

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

Reproductive toxicity : No toxicity to reproduction

Metsulfuron methyl

Repeated dose toxicity

: The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral

Rat

-

Reduced body weight gain, Organ weight changes, Liver

Dermal

Rabbit

-

Skin irritation

Carcinogenicity : Not classifiable as a human carcinogen.  
Did not show carcinogenic effects in animal experiments.

Mutagenicity : Animal testing did not show any mutagenic effects.  
Did not cause genetic damage in cultured bacterial cells.  
Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.

Reproductive toxicity : No toxicity to reproduction  
Animal testing did not show any effects on fertility.

**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Teratogenicity	:	Animal testing showed no developmental toxicity.
Thifensulfuron methyl Repeated dose toxicity	:	The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  Oral - feed multiple species - Reduced body weight gain
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	:	No toxicity to reproduction Animal testing showed no reproductive toxicity.
Teratogenicity	:	Did not show teratogenic effects in animal experiments. Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
Sodium 3,6-dichloro-o-anisate Repeated dose toxicity	:	Oral multiple species - No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Information given is based on data obtained from similar substances.
Carcinogenicity	:	Animal testing did not show any carcinogenic effects. Information given is based on data obtained from similar substances.
Mutagenicity	:	Did not show mutagenic effects in animal experiments. Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Information given is based on data obtained from similar substances.
Reproductive toxicity	:	No toxicity to reproduction


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Information given is based on data obtained from similar substances.

Teratogenicity : No toxicity to reproduction  
Information given is based on data obtained from similar substances.

## Sodium carbonate

Repeated dose toxicity : Inhalation  
Rat  
-  
Respiratory tract irritation

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
Evidence suggests this substance does not cause genetic damage in animals.

Reproductive toxicity : Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

## 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

## Tribenuron methyl

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 738 mg/l  
120 h EC50 : Pseudokirchneriella subcapitata (microalgae) 0.11 mg/l  
14 d EC50 : Lemna gibba (duckweed) 0.00425 mg/l  
48 h EC50 : Daphnia magna (Water flea) > 894 mg/l


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Metsulfuron methyl		
96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 150 mg/l
72 h EC50	:	Anabaena flos-aquae (cyanobacteria) 0.066 mg/l
14 d EC50	:	Lemna minor (common duckweed) 0.00036 mg/l
48 h EC50	:	Daphnia magna (Water flea) > 120 mg/l
Thifensulfuron methyl		
96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 100 mg/l
14 d EC50	:	Lemna minor (duckweed) 0.0013 mg/l
48 h EC50	:	Daphnia magna (Water flea) 470 mg/l
28 d	:	NOEC Americamysis bahia (mysid shrimp) 7.93 mg/l
Sodium 3,6-dichloro-o-anisate		
96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 558 mg/l No information available.
96 h EC50	:	Pseudokirchneriella subcapitata (green algae) 36.4 mg/l No information available.
48 h EC50	:	Daphnia magna (Water flea) 38.1 mg/l No information available.
Sodium carbonate		
96 h LC50	:	Lepomis macrochirus (Bluegill sunfish) 300 mg/l
48 h LC50	:	Ceriodaphnia dubia (water flea) 200 - 227 mg/l
4 d	:	EC50 Daphnia magna (Water flea) 228 - 297 mg/l
Environmental Fate		
Sodium 3,6-dichloro-o-anisate		
Biodegradability	:	Not rapidly biodegradable No information available. Not readily biodegradable.
Sodium carbonate		
Biodegradability	:	The methods for determining biodegradability are not applicable to inorganic substances.


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Bioaccumulation : Does not bioaccumulate.

Additional ecological information : Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply where/when conditions favour runoff. See product label for additional application instructions relating to environmental precautions.

**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 : No applicable data available.

**SECTION 14. TRANSPORT INFORMATION**

IATA_C	UN number	: 3077
	Proper shipping name	: Environmentally hazardous substance, solid, n.o.s. (Dicamba, Thifensulfuron-methyl)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3077
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Dicamba, Thifensulfuron-methyl)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9


**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Marine pollutant : yes (Dicamba, Thifensulfuron-methyl)

Not regulated by DOT unless a single package contains 1,000 or more pounds Dicamba. Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA special provision A197, and ADR/RID special provision 375.

**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.

**WARNING!**

Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Harmful if swallowed or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SARA 313 Regulated Chemical(s) : Dicamba, Tribenuron methyl

PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances):  
Dicamba

Title III hazard classification : Acute Health Hazard: Yes  
Chronic Health Hazard: No  
Fire: No  
Reactivity/Physical hazard: No  
Pressure: No

CERCLA Reportable : 1729 lbs

**DuPont™ Agility® SG Herbicide (with TotalSol® soluble granules)**

Version 2.0

Revision Date 12/17/2015

Ref. 130000036273

Quantity Based on the percentage composition of this chemical in the product.:  
Dicamba

EPA Reg. No. : 352-751  
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.  
® Registered trademark of E.I. du Pont de Nemours and Company

Revision Date : 12/17/2015

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.

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