

**DuPont™ Method™ 50SG Herbicide**

Version 3.0

Issue Date : 03/18/2019 Ref. 130000044335  
Revision Date : 10/19/2018

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™ Method™ 50SG Herbicide  
Tradename/Synonym : DuPont™ DPX-MAT28 50SG Herbicide  
Aminocyclopyrachlor 50SG  
DPX-MAT28 50SG  
B12810297  
Aminocyclopyrachlor: 6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid

Product Use : Herbicide

Restrictions on use : This product is intended to be used as a pesticide

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 : +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 2B

**Label content**

Pictogram : not required

Signal word : Warning

Hazardous warnings : Causes eye irritation.

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Hazardous prevention : Wash skin thoroughly after handling.  
measures 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**

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**

Component	CAS-No.	Concentration
Sodium carbonate	497-19-8	13.6 %
6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid	858956-08-8	50 %
Other Ingredients		36.4 %

Present as an impurity in the clay component of this product:

Titanium dioxide	13463-67-7	0.1 - 0.5 %
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The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4. FIRST AID MEASURES**

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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.  
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.

Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

Skin contact : The material is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable.

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 : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

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 : Not a fire or explosion hazard.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.

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Further information : Evacuate personnel and keep upwind of fire. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Do not allow run-off from fire fighting to enter drains or water courses. In the event of fire, cool 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. Wear 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.

Accidental Release Measures : Follow applicable Federal, State/Provincial and Local laws/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.

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

Storage period : No applicable data available.

Storage temperature : No applicable data available.


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**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.

**Personal protective equipment**

Eye protection : Wear protective eyewear to prevent contact with this substance.

Skin and body protection : Applicators and other handlers must wear:  
 Long sleeved shirt and long pants  
 Shoes plus socks

Protective measures : 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**

<b>Sodium carbonate</b>			
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA

<b>6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid</b>			
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA
AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA

<b>Titanium Dioxide</b>			
No applicable data available.			

\* 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**

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## Appearance

Physical state : solid  
Form : solid, granules  
Color : cream

Odor : slight

Odor threshold : No applicable data available.

pH : 6.3

Melting point/range : No applicable data available.

Boiling point/boiling range : No applicable data available.

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.

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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 : No applicable data available.  
Conditions to avoid : None reasonably foreseeable.  
  
Incompatible materials : No materials to be especially mentioned.  
  
Hazardous decomposition products : No applicable data available.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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Inhalation 4 h LC50 : > 5.02 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 : Mild eye irritation, Rabbit  
  
Sensitisation : Animal test did not cause sensitization by skin contact., Mouse  
  
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.

Sodium carbonate  
Repeated dose toxicity : Inhalation human  
-  
No toxicological effects warranting significant target organ toxicity


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classification were seen below the recommended guidance values for classification.

Carcinogenicity : Weight of evidence does not support classification as a carcinogen

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
 Weight of evidence does not support classification as a germ cell mutagen.  
 Information given is based on data obtained from similar substances.

Reproductive toxicity : Weight of evidence does not support classification for reproductive toxicity

Teratogenicity : Animal testing showed no developmental toxicity.

**6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid**

Repeated dose toxicity : Oral  
 Rat  
 - Method: OECD Test Guideline 408  
 No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Adverse body weight effects

Oral  
 multiple species  
 -  
 No toxicologically significant effects were found.

Carcinogenicity : Not classifiable as a human carcinogen.  
 Animal testing did not show any carcinogenic effects.

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

Teratogenicity : Animal testing showed no developmental toxicity.

**Titanium dioxide**

Repeated dose toxicity : Oral  
 Rat  
 -  
 NOAEL: 1,000 mg/kg Method: OECD Test Guideline 408




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No toxicologically significant effects were found.

- Carcinogenicity : Not classifiable as a human carcinogen.  
 Overall weight of evidence indicates that the substance is not carcinogenic.
- Mutagenicity : Animal testing did not show any mutagenic effects.  
 Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- 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).

Material	IARC	NTP	OSHA
Titanium dioxide	2B		

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**
**Sodium carbonate**

- 96 h LC50 : Lepomis macrochirus (Bluegill sunfish) 300 mg/l  
 48 h LC50 : Ceriodaphnia dubia (water flea) 200 mg/l

**6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid**

- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 122 mg/l OECD Test Guideline 203  
 96 h ErC50 : Anabaena flos-aquae (cyanobacteria) > 119 mg/l OECD Test Guideline 201  
 48 h EC50 : Daphnia magna (Water flea) 43 mg/l OECD Test Guideline 202  
 90 d : NOEC Oncorhynchus mykiss (rainbow trout) 11 mg/l OECD Test


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## Guideline 210

21 d : NOEC Daphnia magna (Water flea) 6 mg/l OECD Test Guideline 211

## Titanium dioxide

96 h LC50 : Pimephales promelas (fathead minnow) > 1,000 mg/l

72 h ErC50 : Pseudokirchneriella subcapitata (green algae) > 100 mg/l see user defined free text

72 h NOEC : Algae 5,600 mg/l see user defined free text

48 h EC50 : Daphnia magna (Water flea) > 100 mg/l OECD Test Guideline 202

## Environmental Fate

## Sodium carbonate

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. 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 : Refer to the product label for instructions.  
 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.



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### SECTION 14. TRANSPORT INFORMATION

Not Regulated as a hazardous material by DOT, IMO, or 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. Do not get in eyes or on clothing.

SARA 311/312 Hazard classification : Serious eye damage or 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.

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): Kaolin, Sodium sulphate

EPA Reg. No. : 352-787  
 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.



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California Prop. 65 : This product can expose you to substances including Titanium dioxide, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**SECTION 16. OTHER INFORMATION**

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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.