

**DuPont™ Dicamba XP Herbicide**

Version 2.0

Revision Date 12/16/2015

Ref. 130000036264

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™ Dicamba XP Herbicide
Tradename/Synonym : Dicamba 70WG
DPX-Y7027 70WG
Banvel Dry
B12371973
SAN 845H
This product contains 70.0% 3,6-dichloro-2-Methoxybenzoic acid (dicamba)

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 : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION**Product hazard category**

Acute toxicity (Oral)	Category 4
Serious eye damage/eye irritation	Category 2A

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Label content

Pictogram :



Signal word :

Warning

Hazardous warnings :

Harmful if swallowed.
Causes serious eye irritation.

Hazardous prevention measures :

Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye protection/ face protection.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Rinse mouth.
If eye irritation persists: Get medical advice/ attention.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

If you mill or grind this product you may change its toxicological properties.

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.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Sodium 3,6-dichloro-o-anisate	1982-69-0	77 %
Other Ingredients		23 %

This product contains 70% 3,6-dichloro-2-Methoxybenzoic acid (dicamba)

SECTION 4. FIRST AID MEASURES

- 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 : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.
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.

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| 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 | : | Probable mucosal damage may contraindicate the use of gastric lavage. |

SECTION 5. FIREFIGHTING MEASURES

- | | | |
|---|---|---|
| Suitable extinguishing media | : | Water spray, Foam, Dry chemical
Water spray, Dry chemical, Foam, Carbon dioxide (CO2) |
| Unsuitable extinguishing media | : | High volume water jet, (contamination risk) |
| Specific hazards | : | Dust may form explosive mixture in air. |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. |

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Further information : Evacuate personnel and keep upwind of fire. Burning chemicals may produce by-products more toxic than the original material. Do not allow run-off from fire fighting to enter drains or water courses. Cool containers/tanks with water spray.

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. Do not allow run-off from fire fighting to enter drains or water courses.

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 : Dike large spills using absorbent or impervious materials such as sand or clay. Sweep up and shovel into suitable containers for disposal. Clean-up methods - large spillage Prevent further leakage or spillage. Use approved industrial vacuum cleaner for removal. Shovel into suitable container for disposal. Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container 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 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.

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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.

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. 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

Respiratory protection : Respiratory protection should not be required for normal use and handling. Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH approved respiratory protection with dust/mist cartridge.

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

Skin and body protection : Mixers, loaders, applicators and other handlers must wear:
Long sleeved shirt and long pants
Chemical-resistant gloves (except for pilots)
Chemical resistant gloves, such as barrier laminate or Viton
Chemical-resistant gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils
Chemical resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.
Shoes plus socks
Protective eyewear
Personal protective equipment required for early entry:
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

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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.

Exposure Guidelines
Exposure Limit Values

Contains no substances with occupational exposure limit values.

Sodium 3,6-dichloro-o-anisate
No applicable data available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : solid
Form : extruded granules
Color : brown

Odor : phenol-like

Odor threshold : not determined

pH : 7.3
(as aqueous solution)

Melting point/freezing point : Melting point/range
Not available for this mixture.

Boiling point/boiling range : Boiling point/boiling range
Not applicable

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit : Not available for this mixture.

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Lower explosion limit	: Not available for this mixture.
Vapor pressure	: Not applicable
Vapour density	: No applicable data available.
Density	: 0.61 g/cm3
Specific gravity (Relative density)	: no data available
Water solubility	: dispersible
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: not auto-flammable
Decomposition temperature	: Not available for this mixture.
Viscosity, kinematic	: no data available
Viscosity, dynamic	: No applicable data available.
Phys-chem data	: No other data to be specially mentioned.
Oxidizing Substance	: The product is not oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No applicable data available.
Chemical stability	: No applicable data available.
Possibility of hazardous reactions	: Polymerization will not occur.
Conditions to avoid	: None known. Temperature > 140 °C (> 284 °F) Avoid extreme heat.
Incompatible materials	: None reasonably foreseeable.
Hazardous decomposition	: No applicable data available.

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products

SECTION 11. TOXICOLOGICAL INFORMATION

DuPont™ Dicamba XP Herbicide	
Inhalation 4 h LC50	: > 5 mg/l , Rat
Dermal LD50 Dermal	: > 2,000 mg/kg , Rabbit
Oral LD50	: 2,062 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	: Did not cause sensitisation on laboratory animals., 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.
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 Information given is based on data obtained from similar substances.

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Teratogenicity : No toxicity to reproduction
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**

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96 h LC50 : Lepomis macrochirus (Bluegill sunfish) > 1,000 mg/l
96 h LC50 : Oncorhynchus mykiss (rainbow trout) 135 mg/l
72 h EC50 : Algae 2.3 mg/l
48 h EC50 : Daphnia magna (Water flea) 110 mg/l

Environmental Fate

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Biodegradability : Not readily biodegradable.
Estimation based on data obtained on active ingredient.

Bioaccumulation :
Does not bioaccumulate.
Information source: Internal study report

Additional ecological information : Environmental Hazards: For Terrestrial Uses: 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 discharge effluent containing this product into lakes, streams,

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ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. See product label for additional application instructions relating to environmental precautions.

Additional ecological information : No other ecological effects to be specially mentioned 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. Dispose of the product in accordance with label directions.

Do not contaminate water, food or feed by disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Waste disposal methods - Container : Container Refilling and Disposal:
Refer to the product label for instructions.

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

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

Not regulated by DOT unless a single package contains 1,000 or more pounds Dicamba.

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 or on clothing. Harmful if swallowed or absorbed through the skin. Avoid contact with skin.

SARA 313 Regulated Chemical(s) : Dicamba

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, Kieselguhr, Sodium hydroxide, Quartz (non-inhalable), Cristobalite

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NJ Right to Know Regulated Chemical(s)	: Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Dicamba, Sodium hydroxide, Cristobalite, Kieselguhr, Quartz (non-inhalable)
CERCLA Reportable Quantity	: 1000 lbs Based on the percentage composition of this chemical in the product.: Dicamba
EPA Reg. No.	: 7969-140-352 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.
California Prop. 65	: WARNING! This product contains a chemical known to the State of California to cause cancer.

SECTION 16. OTHER INFORMATION

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® Registered trademark of E.I. du Pont de Nemours and Company

Revision Date : 12/16/2015

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.

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



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