

**DPX-U7F30 EC**

Version 2.0

Revision Date 11/16/2015

Ref. 130000138270

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 : DPX-U7F30 EC  
Product Use : Scientific research and development

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)

Other information : For Experimental Use Only

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

Acute toxicity (Inhalation)	Category 2
Skin irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity - single exposure	Category 3

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**Label content**

Pictogram

:



Signal word

: Danger

Hazardous warnings

: Causes skin irritation.  
Causes serious eye irritation.  
Fatal if inhaled.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Suspected of causing cancer.

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**Hazardous prevention measures**

: Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
 Wash skin thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear eye protection/ face protection.  
 Wear protective gloves.  
 Use personal protective equipment as required.  
 Wear respiratory protection.  
 IF ON SKIN: Wash with plenty of soap and water.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF exposed or concerned: Get medical advice/attention.  
 Immediately call a POISON CENTER/doctor.  
 If skin irritation occurs: Get medical advice/ attention.  
 If eye irritation persists: Get medical advice/ attention.  
 Take off contaminated clothing and wash before reuse.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.  
 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

This sample is for research and development purposes only. The physical and toxicological properties have not been fully tested. Handle as a hazardous chemical, only by technically qualified persons. Use good industrial hygiene practices to prevent any exposure.

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 72 %

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

Component	CAS-No.	Concentration
Picoxystrobin	117428-22-5	9.9 %

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DPX-QBZ52		11.5 %
N,N-Dimethyldecan-1-amide	14433-76-2	20 - 25 %
Fatty acids, soya, Me esters	68919-53-9	15 - 20 %
2-Ethylhexyl acetate	103-09-3	10 - 15 %
Acetophenone	98-86-2	5 - 10 %
Other Ingredients		8.6 - 28.6 %

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 : Never give anything by mouth to an unconscious person.
- Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.
- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Wash contaminated clothing before re-use.
- 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.

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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 : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : No applicable data available.

Specific hazards : Although the fire and explosion potential has not been investigated, handle the material as if it were a hazard.

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

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) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing

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apparatus. Use personal protective equipment.

- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Spill Cleanup : Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.
- Accidental Release Measures : Dispose of in accordance with local regulations.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing dust or vapour.
- Handling (Physical Aspects) : Keep away from heat and sources of ignition.
- Dust explosion class : No applicable data available.
- Storage : Keep container tightly closed in a dry and well-ventilated place. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.
- Storage period : No applicable data available.
- Storage temperature : No applicable data available.

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

- Engineering controls : Ensure adequate ventilation, especially in confined areas.
- Personal protective equipment
- Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.
- Hand protection : Material: Protective gloves
- Eye protection : Wear safety glasses with side shields. Additionally wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.

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Skin and body protection : Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

**Exposure Guidelines  
Exposure Limit Values**

Picoxystrobin  
No applicable data available.

DPX-QBZ52  
No applicable data available.

N,N-Dimethyldecan-1-amide  
No applicable data available.

Fatty acids, soya, Me esters  
No applicable data available.

2-Ethylhexyl acetate  
No applicable data available.

Acetophenone			
TLV	(ACGIH)	10 ppm	TWA

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance  
Physical state : liquid  
Form : liquid  
Color : amber

Odor : sweet

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Odor threshold	: No applicable data available.
pH	: No applicable data available.
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)	: 1.01
Water solubility	: dispersible
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.
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Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	The hazardous reactivity of this material is unknown. Do not mix with other materials unless specifically instructed to do so under the guidance of a trained chemist.
Conditions to avoid	:	Avoid contact with: Heat, flames and sparks.
Incompatible materials	:	No applicable data available.
Hazardous decomposition products	:	No applicable data available.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Picoxystrobin

Inhalation 4 h LC50	:	0.11 mg/l , Rat Material milled to a particle size of 3.4 - 4.1 µm MMAD The particle size (MMAD) of unmilled picoxystrobin technical material is ~228 µm, with less than 3.3% of material <4 µm, indicating unmilled picoxystrobin is not respirable and that the study results with milled technical material are not relevant to picoxystrobin in the supply chain.
Inhalation 4 h LC50	:	2.12 mg/l , male, Rat Material particle size of 5.9 - 6.8 µm MMAD
Inhalation 4 h LC50	:	3.19 mg/l , female, Rat Material particle size of 5.9 - 6.8 µm MMAD
Dermal LD50	:	> 5,000 mg/kg , Rat
Oral LD50	:	5,000 mg/kg , Rat
Oral Single Dose	:	Rat Effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
Oral	:	Neurobehavioral parameter effects
Oral	:	Motor Activity effects
Oral	:	Effects reversed the day following treatment
Skin irritation	:	No skin irritation, Rabbit

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- Eye irritation : Irritation to eyes, reversing within 7 days, Rabbit
- Skin sensitization : Does not cause skin sensitisation., Guinea pig
- Repeated dose toxicity :
- The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
- Oral - feed  
Mouse  
- 28 d  
No toxicologically significant effects were found.
- Dermal  
Rat  
- 28 d  
No toxicologically significant effects were found.
- Oral  
Mouse  
- 90 d  
Reduced body weight gain, Increased liver weight
- Oral - feed  
Rat  
- 90 d  
Reduced body weight gain, Increased liver weight, No effect to neurotoxicity.
- Oral  
Dog  
- 1 yr  
Reduced body weight gain, altered blood chemistry
- Oral  
Mouse  
- 1.5 yr  
Reduced body weight gain, Increased liver weight, Gastrointestinal effects
- Carcinogenicity : Limited evidence of carcinogenicity in animal studies  
Tumors were observed in laboratory animals, yet are not considered relevant to humans.

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Mutagenicity : Weight of evidence does not support classification as a germ cell mutagen.

Reproductive toxicity : No toxicity to reproduction

Teratogenicity : Animal testing showed no developmental toxicity.

N,N-Dimethyldecan-1-amide  
Inhalation : Rat  
Target Organs: Respiratory system  
An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.  
Information given is based on data obtained from similar substances.

Dermal LD50 : > 5,000 mg/kg , Rat

Oral LD50 : > 2,000 mg/kg , Rat  
Liver effects  
Gastrointestinal effects

Skin irritation : Severe skin irritation, Rabbit

Eye irritation : Irritation to eyes, reversing after 7 to 21 days, Rabbit

Skin sensitization : Does not cause skin sensitisation., Guinea pig  
Information given is based on data obtained from similar substances.

Repeated dose toxicity : Ingestion  
Rat  
- 91 d  
LOAEL: 200 mg/kg Method: OECD Test Guideline 409  
Liver effects, altered blood chemistry, Information given is based on data obtained from similar substances.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
Has not been tested in animals.  
Information given is based on data obtained from similar substances.

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.  
Information given is based on data obtained from similar substances.

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Fatty acids, soya, Me esters	
Dermal LD50	: > 2,000 mg/kg , Rabbit Information given is based on data obtained from similar substances.
Oral LD50	: > 5,000 mg/kg , Rat Information given is based on data obtained from similar substances.
Skin irritation	: No skin irritation, Rabbit Information given is based on data obtained from similar substances.
Eye irritation	: No eye irritation, Rabbit Information given is based on data obtained from similar substances.
Skin sensitization	: Does not cause skin sensitisation., Guinea pig Information given is based on data obtained from similar substances.
Repeated dose toxicity	: Ingestion Rat - NOAEL: 1,000 mg/kg Method: see user defined free text No toxicologically significant effects were found., Information given is based on data obtained from similar substances.
Mutagenicity	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Did not cause genetic damage in cultured mammalian cells. Information given is based on data obtained from similar substances.
Reproductive toxicity	: Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.
2-Ethylhexyl acetate	
Dermal LD50	: > 5,000 mg/kg , Rabbit
Oral LD50	: 5,140 mg/kg , Rat
Skin irritation	: Severe skin irritation, Rabbit
Eye irritation	: No eye irritation, Rabbit
Skin sensitization	: Does not cause skin sensitisation., human

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Repeated dose toxicity : Oral  
Rat  
-  
vapour  
Gastrointestinal effects, Liver effects, 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 : Not classifiable as a human carcinogen.  
Animal testing did not show any carcinogenic effects.  
Information given is based on data obtained from similar substances.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
Animal testing did not show any mutagenic effects.  
Information given is based on data obtained from similar substances.

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

## Acetophenone

Inhalation 8 h ALC -  
Approximate Lethal  
Concentration : > 1.03 mg/l , Rat  
narcosis

Inhalation 2 h : 21.7 - 24.6 mg/l , Rat  
narcosis

Dermal LD50 : 16,300 mg/kg , Rabbit  
Kidney damage  
Skin effects

Oral LD50 : 2,200 mg/kg , Rat  
narcosis

Skin irritation : Severe skin irritation, Rabbit

Eye irritation : Severe eye irritation, Rabbit

Skin sensitization : Patch test on human volunteers did not demonstrate sensitisation properties., human

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Repeated dose toxicity : Oral  
 Rat  
 -  
 Organ weight changes, Liver, Kidney

Inhalation  
 Rat  
 -  
 No toxicologically significant effects were found.

**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****Picoxystrobin**

96 h LC50 : Fathead minnow 0.066 mg/l  
 96 h ErC50 : Skeletonema costatum (Diatom) 0.0063 mg/l  
 48 h EC50 : Daphnia magna (Water flea) 0.024 mg/l  
 96 h EC50 : Oyster, Crassostrea virginica 0.0057 mg/l  
 21 d : NOEC Daphnia magna (Water flea) 0.008 mg/l

**DPX-QBZ52**

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 1.83 mg/l  
 72 h IC50 : Pseudokirchneriella subcapitata (microalgae) 2.18 mg/l  
 72 h ErC50 : Skeletonema costatum (marine diatom) 0.046 mg/l  
 48 h EC50 : Daphnia magna (Water flea) 1.3 mg/l

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## N,N-Dimethyldecan-1-amide

72 h NOEC

: Pseudokirchneriella subcapitata (green algae) 1.8 mg/l OECD Test Guideline 201

Information given is based on data obtained from similar substances.

35 d

: NOEC Pimephales promelas (fathead minnow) 0.71 mg/l OECD Test Guideline 210

21 d

: NOEC Daphnia magna (Water flea) 0.079 mg/l OECD Test Guideline 211

## Fatty acids, soya, Me esters

: OECD Test Guideline 203 Aquatic toxicity is unlikely due to low solubility.  
Information given is based on data obtained from similar substances.: OECD Test Guideline 201 No acute toxicity effects at concentrations up to the limit of aqueous solubility  
Information given is based on data obtained from similar substances.

72 h NOEC

: Pseudokirchneriella subcapitata (green algae) &gt; 1 mg/l OECD Test Guideline 201

Information given is based on data obtained from similar substances.

: OECD Test Guideline 202 Aquatic toxicity is unlikely due to low solubility.  
Information given is based on data obtained from similar substances.

## 2-Ethylhexyl acetate

96 h LC50

: Oncorhynchus mykiss (rainbow trout) 8.27 mg/l  
Aquatic toxicity is unlikely due to low solubility.

72 h EC50

: Selenastrum capricornutum (green algae) > 21.9 mg/l  
Aquatic toxicity is unlikely due to low solubility.

48 h EC50

: Daphnia magna (Water flea) 22.9 mg/l  
Aquatic toxicity is unlikely due to low solubility.

## Acetophenone

96 h LC50

: Fathead minnow 162 mg/l

## Environmental Fate

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Picoxystrobin

Bioaccumulation : Does not bioaccumulate.

DPX-QBZ52

Bioaccumulation : Lepomis macrochirus (Bluegill sunfish)  
Bioconcentration factor (BCF) : 19.7

N,N-Dimethyldecan-1-amide

Biodegradability : rapidly biodegradable OECD Test Guideline 301  
Readily biodegradable  
Information given is based on data obtained from similar substances.

Bioaccumulation : Bioaccumulation is unlikely.

Fatty acids, soya, Me esters

Biodegradability : rapidly biodegradable  
Information given is based on data obtained from similar substances.**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste disposal methods - Product : Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Waste disposal methods - Container : Do not reuse empty container.

Contaminated packaging : No applicable data available.

**SECTION 14. TRANSPORT INFORMATION**

IATA_C	UN number	: 3082
	Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (Picoxystrobin)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3082
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Picoxystrobin)
	Class	: 9
	Packing group	: III



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Labelling No. : 9

Marine pollutant : yes (Picoxystrobin)

Not regulated as a hazardous material by DOT.

**SECTION 15. REGULATORY INFORMATION**

Other regulations : This sample is for research and development purposes only. The physical and toxicological properties have not been fully tested. Handle as a hazardous chemical, only by technically qualified persons. Use good industrial hygiene practices to prevent any exposure.

SARA 313 Regulated Chemical(s) : Acetophenone

**SECTION 16. OTHER INFORMATION**

Restrictions for use : Commercial use of this material is a violation of Federal law. This material is for research and development use only. It is being supplied under the exemption for research and development under the Toxic Substances Control Act (TSCA) and/or the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

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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.



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