

Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

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[™] Canopy[®] EX Herbicide

Tradename/Synonym : Canopy Ex

DPX-JXH53 B11731688

Chlorimuron Ethyl: Ethyl 2-[[[(4-chloro-6-methoxypyrimidin-2-

yl)amino]carbonyl]amino]sulfonyl]benzoate

Tribenuron methyl: Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-

yl)methylamino]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

4417 Lancaster Pike

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

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

Other hazards

No applicable data available.



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Tribenuron methyl	101200-48-0	6.8 %
Chlorimuron ethyl	90982-32-4	22.7 %
Other Ingredients		70.5 %

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

. Too one do an impanty in the day component of the product	-	
Titanium dioxide	13463-67-7	0.5 - 1 %

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.

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.



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

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

Protection of first-aiders Notes to physician : No applicable data available.

No applicable data available.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 : Under severe dusting conditions, this material may form explosive mixtures in

air.

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.



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

Spill Cleanup : Sweep up and shovel into suitable containers for disposal.

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. Avoid dust formation.

Dust explosion class : No applicable data available.

Storage : Store in original container. Do not contaminate water, other pesticides,

fertilizer, food or feed in storage. 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 : 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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other

Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

Personal protective equipment

Skin and body protection : Mixers, loaders, applicators and other handlers must wear:

Long sleeved shirt and long pants

Chemical resistant gloves made of any waterproof material, such as

polyethylene or polyvinyl chloride.

Shoes plus socks



Version 2.0

Revision Date 06/30/2015

Ref. 130000029384

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

(DUPONT)

Chemical resistant gloves made of any waterproof material

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.

12 hr. TWA

Exposure Guidelines Exposure Limit Values

Tri	benur	on r	net	hyl

AEL *

AEL *	(DUPONT)	1 mg/m3	8 hr. TWA
Chlorimuron ethyl AEL * AEL *	(DUPONT) (DUPONT)	10 mg/m3 5 mg/m3	8 & 12 hr. TWA Total dust. 8 & 12 hr. TWA Respirable dust.
Titanium dioxide Permissible exposure limit:	(OSHA)	15 mg/m3	8 hr. TWA Total dust.
TLV AEL * AEL *	(ACGIH) (DUPONT) (DUPONT)	10 mg/m3 10 mg/m3 5 mg/m3	TWA 8 & 12 hr. TWA Total dust. 8 & 12 hr. TWA Respirable dust.

0.5 mg/m3

Other Ingredients

No applicable data available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

^{*} 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.



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

Appearance

Physical state : solid

Form : solid, water dispersible granules

Color : ivory

Odor : none

Odor threshold : No applicable data available.

pH : 6.6 - 7.4

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 : 0.212 g/l

Vapour Pressure : No applicable data available.

Vapour density : No applicable data available.

Specific gravity (Relative

density)

: No applicable data available.

Bulk density : 750 - 910 kg/m3

Tapped

Water solubility : No applicable data available.

Solubility(ies) : No applicable data available.

Partition coefficient: n-

octanol/water

: No applicable data available.

Auto-ignition temperature : 330 °C



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

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 : No materials to be especially mentioned.

Hazardous decomposition

products

No applicable data available.

SECTION 11. TOXICOLOGICAL INFORMATION

DuPont[™] Canopy[®] EX Herbicide

Inhalation 4 h LC50 : > 5 mg/l , Rat

Dermal LD50 : > 2,000 mg/kg , Rabbit

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

Skin irritation : slight irritation, Rabbit

Eye irritation : No eye irritation, Rabbit

Minimal effects that do not meet the threshold for classification.

Sensitisation : Does not cause skin sensitisation., Rabbit

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



Version 2.0

Revision Date 06/30/2015

Ref. 130000029384

Mouse - 90 d

NOAEL: 500 mg/kg Reduced body weight gain

Oral Rat - 28 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

Animal testing did not show any mutagenic effects. Mutagenicity

Tests on bacterial or mammalian cell cultures did not show mutagenic

effects.

Reproductive toxicity No toxicity to reproduction

Chlorimuron ethyl

Repeated dose toxicity

The following effects occurred at levels of exposure that significantly

exceed those expected under labeled usage conditions.

Dermal Rabbit

No toxicologically significant effects were found.

Oral Dog

No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Abnormal decrease in number of red blood cells

Oral Rat

No adverse effect has been observed in chronic toxicity tests.



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

Carcinogenicity : Not classifiable as a human carcinogen.

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

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels

equal to or above those causing maternal toxicity.

Titanium dioxide

Repeated dose toxicity : Oral

Rat

NOAEL: 1,000 mg/kgMethod: OECD Test Guideline 408

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



Version 2.0

Revision Date 06/30/2015

Ref. 130000029384

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity
Tribenuron methyl

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 738 mg/l

120 h EC50 : Pseudokirchneriella subcapitata (microalgae) 0.0208 mg/l

14 d EC50 : Lemna gibba (duckweed) 0.00424 mg/l

48 h EC50 : Daphnia magna (Water flea) > 894 mg/l

Chlorimuron ethyl

96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l

96 h LC50 : Lepomis macrochirus (Bluegill sunfish) > 100 mg/l

72 h EC50 : Pseudokirchneriella subcapitata (green algae) 0.001 mg/l

48 h EC50 : Daphnia magna (Water flea) > 1,000 mg/l

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

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 - : Do not contaminate water, food or feed by disposal. Wastes resulting from the



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

Product use of this product must be disposed of on site or at an approved waste

disposal facility.

Waste disposal methods -

Container

IMDG

: 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.

(Chlorimuron ethyl, Tribenuron methyl)

Class : 9
Packing group : III
Labelling No. : 9MI
UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

SOLID, N.O.S. (Chlorimuron ethyl, Tribenuron methyl)

Class : 9
Packing group : III
Labelling No. : 9

Marine pollutant : yes (Chlorimuron ethyl, Tribenuron methyl)

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 is therefore also subject to certain labeling requirements under US pesticide law (FIFRA). These



Version 2.0

Revision Date 06/30/2015

Ref. 130000029384

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 the mandatory hazard information required by USEPA on the pesticide label:

CAUTION!

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

SARA 313 Regulated Chemical(s)

: Chlorimuron ethyl, 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):

Kaolin, Sucrose

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): Kaolin, Chlorimuron ethyl, Tribenuron

methyl, Quartz

EPA Reg. No. : 352-635

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

Health

NFPA 1

1

Flammability :

Reactivity/Physical hazard : 0



Version 2.0

Revision Date 06/30/2015 Ref. 130000029384

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

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

Revision Date : 06/30/2015

Contact person : DuPont Crop Protection, Wilmington, DE, 19898, 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.