

Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

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[™] Alluvex[™] Herbicide Tradename/Synonym : DuPont[™] DPX-121 Herbicide

DPX-RXS29

DPX-RXS29 33.3 SG Blend

RIMSULFURON: N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-3-

(ethylsulfonyl)-2-pyridinesulfonamide

THIFENSULFURON METHYL: Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-

2-yl)amino]carbonyl]amino] sulfonyl]-2-thiophenecarboxylate

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



Version 2.0

Revision Date 06/05/2015

Ref. 130000123274

Component	CAS-No.	Concentration
Rimsulfuron	122931-48-0	16.7 %
Thifensulfuron methyl	79277-27-3	16.7 %
Disodium phosphate		5 - 10 %
Sodium carbonate	497-19-8	1 - 5 %
Other Ingredients		56.6 %

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

Titanium dioxide	13463-67-7	0.1 - 0.5 %

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.



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

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 : 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, Dry chemical, Foam, Carbon dioxide (CO2)

Unsuitable extinguishing

media

: High volume water jet, (contamination risk)

Specific hazards : No applicable data available.

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.

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 to safe areas. Keep people away from and upwind of



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

spill/leak. Ensure adequate ventilation. Wear suitable 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 : 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)

Dust explosion class

Storage

No applicable data available.No applicable data available.

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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Skin and body protection : Applicators and other handlers must wear:

Long sleeved shirt and long pants

Chemical-resistant gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils

Shoes plus socks

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

Chemical-resistant gloves, Category A (such as butyl rubber, natural rubber,



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

neoprene rubber, or nitrile rubber), all greater than or equal to 14 mils

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.

Exposure Guidelines
Exposure Limit Values

Rimsulfuron

AEL * (DUPONT) 5 mg/m3 8 & 12 hr. TWA Total dust.

AEL * (DUPONT) 2.5 mg/m3 8 & 12 hr. TWA Respirable dust.

Thifensulfuron methyl

AEL * (DUPONT) 5 mg/m3 8 & 12 hr. TWA Total dust.

Disodium phosphate

No applicable data available.

Sodium carbonate

AEL * (DUPONT) 5 mg/m3 8 & 12 hr. TWA Total dust.

Titanium dioxide

Permissible (OSHA) 15 mg/m3 8 hr. TWA Total dust.

exposure limit:

TLV (ACGIH) 10 mg/m3 TWA

AEL * (DUPONT) 10 mg/m3 8 & 12 hr. TWA Total dust.
AEL * (DUPONT) 5 mg/m3 8 & 12 hr. TWA Respirable dust.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

^{*} 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 06/05/2015 Ref. 130000123274

Physical state : solid

Form : solid, granules
Color : light brown

Odor : slight

Odor threshold : No applicable data available.

pH : 6.5 - 8.5

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.

Density : 0.6 - 0.8 g/cm3

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.



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

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[™] Alluvex[™] Herbicide

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

toxicity estimate

Dermal Acute toxicity : > 5,000 mg/kg , Rat

estimate

Oral Acute toxicity estimate : > 5,000 mg/kg , Rat

Skin irritation : No skin irritation, Rabbit

Eye irritation : No eye irritation, Rabbit

Sensitisation : Animal test did not cause sensitization by skin contact., Guinea pig

Animal test did not cause sensitization by skin contact., Mouse

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

toxicology of similar products.

Rimsulfuron

Repeated dose toxicity

The following effects occurred at levels of exposure that significantly

exceed those expected under labeled usage conditions.

Oral



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

Rat

-

altered blood chemistry, Liver effects, Organ weight changes

Carcinogenicity : Did not show carcinogenic effects in animal experiments.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic

effects.

Did not show mutagenic effects in animal experiments.

Reproductive toxicity : Animal testing did not show any effects on fertility.

Teratogenicity : Evidence suggests the substance is not a developmental toxin in

animals.

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.

Disodium phosphate

Repeated dose toxicity : Ingestion

Dog - 90 d

NOAEL: 322.88 mg/kg

No toxicologically significant effects were found., Information given is



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

based on data obtained from similar substances.

Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic

effects.

Evidence suggests this substance does not cause genetic damage in

animals.

Information given is based on data obtained from similar substances.

Reproductive toxicity : No toxicity to reproduction

Animal testing showed no reproductive toxicity.

Information given is based on data obtained from similar substances.

Teratogenicity : Animal testing showed no developmental toxicity.

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.

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.



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

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 Rimsulfuron

96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 390 mg/l

96 h LC50 : Lepomis macrochirus (Bluegill sunfish) > 390 mg/l

120 h EbC50 : Selenastrum capricornutum (green algae) 1.6 mg/l

48 h EC50 : Daphnia magna (Water flea) > 360 mg/l

90 d : NOEC Oncorhynchus mykiss (rainbow trout) 110 mg/l

21 d : NOEC Daphnia magna (Water flea) 0.82 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



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

Disodium phosphate

96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 100 mg/l OECD Test

Guideline 203

Information given is based on data obtained from similar substances.

72 h ErC50 : Desmodesmus subspicatus (green algae) > 100 mg/l OECD Test

Guideline 201

Information given is based on data obtained from similar substances.

72 h NOEC : Desmodesmus subspicatus (green algae) > 100 mg/l OECD Test

Guideline 201

Information given is based on data obtained from similar substances.

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

Information given is based on data obtained from similar substances.

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

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

Rimsulfuron

Biodegradability : According to the results of tests of biodegradability this product is not

readily biodegradable.

Bioaccumulation : Does not bioaccumulate.

Sodium carbonate

Biodegradability : The methods for determining biodegradability are not applicable to

inorganic substances.



Version 2.0

Revision Date 06/05/2015 Ref. 130000123274

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.

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

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.

(Rimsulfuron, Thifensulfuron-methyl)

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

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

SOLID, N.O.S. (Rimsulfuron, Thifensulfuron-methyl)

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

Marine pollutant : yes (Rimsulfuron, Thifensulfuron-methyl)

Not regulated as a hazardous material by DOT.

Safety Data Sheet



DuPont[™] Alluvex[™] Herbicide

Version 2.0

Revision Date 06/05/2015

Ref. 130000123274

SECTION 15. REGULATORY INFORMATION

: This Safety Data Sheet is for a pesticide product registered by the US Other regulations

> Environmental Protection Agency (USEPA) and is therefore also subject to certain labeling requirements under US pesticide law (FIFRA). These requirements differ from the classification criteria and hazard information required by OSHA for safety data sheets, and for workplace labels of nonpesticide chemicals. The following is the mandatory hazard information

required by USEPA on the pesticide label:

Caution

Avoid contact with skin, eyes and clothing.

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, Disodium phosphate, Sucrose

EPA Reg. No. : 352-877

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.

Revision Date : 06/05/2015

Contact person : DuPont Crop Protection, Wilmington, DE, 19898, Phone: 1-888-638-7668

Safety Data Sheet



DuPont[™] Alluvex[™] Herbicide

Version 2.0

Revision Date 06/05/2015

Ref. 130000123274

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.