



Du Pont
Material Safety Data Sheet

"DuPont" "Basis" Herbicide
M0000152 Revised 30-NOV-2010

Substance ID :130000000057

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"BASIS" is a registered trademark of DuPont.

"DuPont" is a trademark of DuPont.

Corporate MSDS Number : DU008195

Tradenames and Synonyms

DPX-KV141 75WG
Basis 75DF
Dragster

Company Identification

MANUFACTURER/DISTRIBUTOR
DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-800-441-7515 (outside the U.S.
302-774-1000)
Transport Emergency : CHEMTREC 1-800-424-9300(outside U.S.
703-527-3887)
Medical Emergency : 1-800-441-3637 (outside the U.S.
302-774-1000)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Table with 3 columns: Material, CAS Number, and %. Rows include RIMSULFURON (50%), THIFENSULFURON METHYL (25%), and Inert Ingredients (25%).

HAZARDS IDENTIFICATION

Emergency Overview

Caution! Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Avoid breathing dust or spray mist.

Potential Health Effects

Based on results of animal data, human health effects of overexposure to the active ingredients by eye contact may produce eye irritation with discomfort, tearing, or blurring of vision.

Overexposure to the active ingredients by skin contact may initially include skin irritation with discomfort or rash. Significant skin permeation, and systemic toxicity, after contact appears unlikely. There are no reports of human sensitization.

Prolonged overexposures by ingestion or inhalation may cause abnormal liver functions as detected by laboratory tests.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

IF IN EYES: 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.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, consult a poison control center or doctor if necessary.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

FIRE FIGHTING MEASURES

Flammable Properties

The material poses no explosion hazard in granular form.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Wear self-contained breathing apparatus. Wear full protective equipment. Runoff from fire control may be a pollution hazard.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Shovel or sweep up. Dispose of in an approved container.

HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes, skin or clothing. Avoid breathing dust. Avoid breathing mist.

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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Storage

Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions for Category A on the EPA chemical resistance category selection chart.

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 equal to or greater than 14 mils.
Shoes plus socks.

Follow manufacturer instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE from other laundry.

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, neoprene rubber or nitrile rubber), all equal to or greater than 14 mils.
Shoes plus socks.

Exposure Guidelines

Applicable Exposure Limits

RIMSULFURON

PEL (OSHA) : None Established
TLV (ACGIH) : None Established
AEL * (DuPont) : 5 mg/m³, 8 & 12 Hr. TWA, total dust

THIFENSULFURON METHYL

PEL (OSHA) : None Established
TLV (ACGIH) : None Established
AEL * (DuPont) : 5 mg/m³, 8 & 12 Hr. TWA

* 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.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

pH : 4.1 (1% wt/wt in water)
Odor : No Distinct Odor.
Form : Dispersible Granules.
Density : 0.66 g/mL
Color : Off-White.

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

TOXICOLOGICAL INFORMATION

Animal Data

ANIMAL DATA:

Acute Oral LD50 : > 5,000 mg/kg (rat)
Acute Dermal LD50 : > 2,000 mg/kg (rabbit)
Inhalation, 4 hr LC50: > 5.3 mg/L

Eye Irritation: Mild transient irritation with all effects resolved within 24 hours.

Skin Irritation and Sensitization: The compound is considered to be a mild or slight irritant but is not a skin sensitizer.

RIMSULFURON

Repeated and long-term ingestion exposures in animals with Rimsulfuron resulted in non-specific body weight, organ weight, and mild hematologic and clinical chemistry changes. A 1-year feeding study in dogs resulted in mild tracheal effects.

Rimsulfuron did not demonstrate carcinogenic effects in long-term feeding studies in rats or mice. Rimsulfuron did not cause developmental or reproductive effects in animals. Rimsulfuron did not produce genetic damage in bacterial or mammalian cell cultures or in animals.

THIFENSULFURON METHYL

Repeated ingestion exposures to Thifensulfuron Methyl caused decreased body and organ weights, and some blood chemistry

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changes, including increased blood urea nitrogen and decreased protein and globulins. Long-term exposures caused an increase in liver weights, decreased body weight gain, and a decreased level of sodium in the blood when compared to the control group.

No carcinogenic effects were observed in animal tests with Thifensulfuron Methyl. Animal data show developmental effects only at exposure levels producing toxic effects in the adult animal. Tests in animals demonstrate no reproductive toxicity. Thifensulfuron Methyl does not produce genetic damage in bacterial or mammalian cell cultures or animals.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AQUATIC TOXICITY:

RIMSULFURON

96 hour LC50 - Rainbow trout: > 390 mg/L.
96 hour LC50 - Bluegill sunfish: > 390 mg/L.
48 hour EC50 - Daphnia magna: > 360 mg/L.
72 hour, EC50, Freshwater algae: 1.6 mg/L.

AVIAN TOXICITY:

RIMSULFURON

Acute Oral LD50 - Bobwhite Quail: > 2250 mg/kg.
Acute Oral LD50 - Mallard Duck: > 2000 mg/kg.
Acute Dietary LC50 - Bobwhite Quail: > 5620 ppm.
Acute Dietary LC50 - Mallard Duck: > 5620 ppm.

AQUATIC TOXICITY:

THIFENSULFURON METHYL

96 hour LC50 - Rainbow trout: > 100 mg/L.
96 hour LC50 - Bluegill sunfish: > 100 mg/L.
96 hour EC50 - Freshwater algae: 0.840 - 1.03 mg/L.

AVIAN TOXICITY:

Acute Oral LD50 - Mallard Duck: > 2510 mg/kg.
Acute Dietary LC50 - Mallard Duck: > 5620 mg/kg.
Acute Dietary LC50 - Bobwhite Quail: > 5620 mg/kg

DISPOSAL CONSIDERATIONS

Waste Disposal

Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on the site or at an approved waste disposal facility.

ENVIRONMENTAL HAZARDS

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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.

Container Disposal

Refer to the product label for instructions.

Do not transport if the container is damaged or leaking.

In the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

TRANSPORTATION INFORMATION

Shipping Information

IATA_C:

UN number : 3077
Proper shipping name: Environmentally hazardous substance,
solid, n.o.s. (Thifensulfuron
Methyl, Rimsulfuron)
Class : 9
Packing group : III
Labelling No. : 9MI

IMDG:

UN number : 3077
Proper shipping name: Environmentally hazardous substance,
solid, n.o.s. (Thifensulfuron
Methyl, Rimsulfuron)
Class : 9
Packing group : III
Labelling No. : 9
Marine pollutant : yes (Thifensulfuron Methyl,
Rimsulfuron)

DOT:

Not Regulated by DOT

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : No
Reactivity : No
Pressure : No

