The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

"DuPont" "ACCENT GOLD" WDG HERBICIDE
M0000461 Revised 8-APR-2003

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"ACCENT GOLD" is a registered trademark of DuPont.

"DuPont" is a trademark of DuPont.

Tradenames and Synonyms

CLOPYRALID
FLUMETSULAM
NICOSULFURON
RIMSULFURON
ACCENT GOLD

Tradenames and Synonyms (Remarks)

PLEASE NOTE:

"ACCENT GOLD" is composed of two formulations, one containing the active ingredients Clopyralid and Flumetsulam and the other containing the active ingredients Nicosulfuron and Rimsulfuron.

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

Material	CAS Number	%
CLOPYRALID 3,6-Dichloro-2-pyridinecarboxylic acid potassium salt		51.4
FLUMETSULAM		15.9

(COMPOSITION/INFORMATION ON INGREDIENTS - Continued)

N-(2,6-difluorophenyl)-5-methyl-1,2,4-triazolo-[1,5a]-pyrimidine-2-sulfonamide		
NICOSULFURON 2-(((4,6-Dimethoxypyrimidin-2-yl)amino-carbonyl))aminosulfonyl)-N,N-dimethyl-3-pyridinecarboxamide	111991-09-4	5.4
RIMSULFURON N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-3-(ethylsulfonyl)-2-pyridinesulfonamide	122931-48-0	5.4
INERT INGREDIENTS		21.9

HAZARDS IDENTIFICATION

Emergency Overview

WARNING! Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed, inhaled or absorbed through skin. May cause skin sensitization reactions in certain individuals. Avoid breathing dust or spray mist. Avoid contact with eyes, skin or clothing.

Potential Health Effects

Based on animal data, Accent Gold WDG may cause substantial, but temporary eye injury.

Based on animal data, Accent Gold WDG may cause skin irritation with itching, redness, or rash. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

Based on animal data, prolonged overexposures to Accent Gold WDG by ingestion or inhalation may cause abnormal liver function 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

EYE CONTACT:
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.

(FIRST AID MEASURES - Continued)

INGESTION:
IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION:
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.

SKIN CONTACT:
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.

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.

Not a fire or explosion hazard.

Extinguishing Media

Water, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment. Runoff from fire control may be a pollution hazard.

If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Control runoff.

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.

Emergency Response - Chemical resistant coveralls, waterproof gloves, waterproof boots and face/eye protection. If dusting occurs, use NIOSH approved respirator protection.

Initial Containment

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

Follow applicable Federal, State/Provincial and Local laws/ regulations.

Spill Clean Up

Shovel or sweep up.

HANDLING AND STORAGE

Handling (Personnel)

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.

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

Handling (Physical Aspects)

This is a water-dispersible product. It may be packaged in a premeasured water-soluble packet which readily dissolves in water. Exposure to moisture or excessive handling of the soluble packets will cause them to break.

(HANDLING AND STORAGE - Continued)

Storage

Store the product in the original container only. Do not contaminate water, other pesticides, fertilizer, food, or feed in storage. Avoid contact with water. Do not store above 122 F for extended periods of time. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. If container is damaged or a spill occurs, use product immediately or contain with absorbent materials and dispose of waste. Dispose of waste in compliance with local, state, and Federal regulations.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation. Use ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits.

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) equal to or greater than 14 mils.
- Shoes plus socks.
- Protective eye wear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them. Follow manufacturer’s instructions for cleaning an maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Personal protective equipment 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

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

nitrile rubber) equal to or greater than 14 mils.
Shoes plus socks.
Protective eyewear.

Exposure Guidelines

Applicable Exposure Limits

NICOSULFURON

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

RIMSULFURON

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

* 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

Solubility in Water	: Dispersible
Form	: Solid granules
Color	: Tan
Odor	: None.
pH	: 2

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions. Unstable with heat.

Incompatibility with Other Materials

Clopyralid can react violently with aluminum above 110 C, 230 F, when water is present. Avoid contact with aluminum.

Decomposition

Hazardous decomposition products: Toxic, irritating gases may be formed under fire conditions, including nitrogen oxides and hydrogen chloride.

(STABILITY AND REACTIVITY - Continued)

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

Accent Gold WDG consists of two formulations packaged separately in water-soluble bags: One formulation contains nicosulfuron and rimsulfuron, and the other formulation contains clopyralid and flumetsulam.

Formulation containing Nicosulfuron and Rimsulfuron

Inhalation 4 hour LC50:	> 5.6 mg/L ppm in rats (Very low toxicity)
Skin absorption LD50:	> 2000 mg/kg in rabbits (Low to moderate toxicity)
Oral LD50:	> 5000 mg/kg in rats (Very low toxicity)

Formulation containing Nicosulfuron and Rimsulfuron is a slight to mild skin irritant and an eye irritant, but is not a skin sensitizer in animal tests

Single inhalation exposures caused nasal and ocular discharge and transient body weight loss. Body weight gain occurred during the recovery period. Pathological examination revealed no evidence of organ toxicity.

NICOSULFURON
Single high inhalation exposures in animals with Nicosulfuron caused nonspecific effects such as slight to severe weight losses.

There were no effects observed when single doses of Nicosulfuron were applied to the skin of rabbits.

No clinical signs of toxicity, and no deaths were seen in animals administered single oral doses of up to 11,000 mg/kg of Nicosulfuron. In a 2-week repeated dose study in rats and mice there were no toxicologically significant changes; the NOEL for each study was 2200 mg/kg. There were no toxicologically significant changes during these 90-day tests in rats, mice and dogs. In a one-year feeding study in dogs Nicosulfuron caused decreased body weight and increased liver weights in male dogs; the NOEL were 147 mg/kg/day and 587 mg/kg/day for male and female dogs, respectively.

Other laboratory animal tests indicate that nicosulfuron is neither a carcinogen nor a reproductive or developmental toxin. Nicosulfuron has not produced genetic damage in bacterial or mammalian cell cultures or in animals.

(TOXICOLOGICAL INFORMATION - Continued)

RIMSULFURON

Single inhalation exposures to Rimsulfuron caused nonspecific effects such as weight loss, and irritation.

Single dermal exposures to Rimsulfuron caused nonspecific effects such as weight loss.

Repeated and long-term ingestion exposures with Rimsulfuron resulted in decreased body weights, increased liver, kidney and spleen weights, mild hematological changes, and serum chemistry changes linked to liver effects. A repeated-dose teratogenicity study in rabbits resulted in maternal deaths at excessive doses. There were no effects observed in offspring. 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.

The following data is based on laboratory animal testing on the formulation containing Clopyralid and Flumetsulam.

Skin absorption LD50:	>5000 mg/kg in rabbits (Very Low Toxicity)
Oral LD50:	>5000 mg/kg in rats (Very Low Toxicity)
Inhalation 4 hour LC50:	>5.21 mg/L in rats (Very Low Toxicity)

Prolonged exposure is not likely to cause significant skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

The following data is based on laboratory animal testing on technical Clopyralid and Flumetsulam:

For Clopyralid and Flumetsulam, in animals, effects have been reported on the following organs: kidney and liver. Observations in animals include lethargy.

The active ingredients Clopyralid and Flumetsulam did not cause cancer in long-term animal studies.

Clopyralid caused birth defects in test animals, but only at greatly exaggerated doses that were severely toxic to the mothers. No birth defects were observed in animals at doses several times greater than those expected during normal exposure.

For Flumetsulam, birth defects are unlikely. Even exposures having an adverse effect on the mother should have no effect

(TOXICOLOGICAL INFORMATION - Continued)

on the fetus. Neither Clopyralid or Flumetsulam interfered with reproduction in animal studies.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AQUATIC TOXICITY:
NICOSULFURON
96 hour LC50 - Bluegill sunfish: > 1000 mg/L.
96 hour LC50 - Rainbow trout: > 1000 mg/L.
48 hour EC50 - Daphnia magna: > 1000 mg/L.

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

AQUATIC TOXICITY:
RIMSULFURON
96 hour LC50 - Rainbow trout: > 390 mg/L.
96 hour LC50 - Bluegill sunfish: > 390 mg/L.
96 hour LC50 - Carp: > 900 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 ppm

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/ Provincial, and local regulations. Do not flush to surface water or sanitary sewer system.

If container is damaged or a spill occurs, use product immediately or contain with absorbent materials and dispose of waste.

Environmental Hazards

Do not apply directly to water, or to areas where surface

(DISPOSAL CONSIDERATIONS - Continued)

water is present or to intertidal areas below the mean high water mark. The active ingredients flumetsulam and clopyralid are known to leach through soil into groundwater under certain conditions as a result of agricultural use.

Product Disposal: Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to applicable Federal, state, or local procedures.

Container Disposal

Water Soluble Packaging: Do not reuse the outer box or the resealable bags. When all water-soluble packets are used, the outer packaging should be clean and may be disposed of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by open burning. If it is burned, stay out of smoke. If the resealable bag contacts the formulated product in any way, the bag must be triple-rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer wrap as described above.

TRANSPORTATION INFORMATION

Shipping Information

DOT/IMO
Proper Shipping Name : NOT REGULATED

REGULATORY INFORMATION

U.S. Federal Regulations

In the United States this product is regulated by the US Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

EPA Reg. No. 352-612

OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : DuPont Crop Protection
Address : Wilmington, Delaware 19898
Telephone : 1-888-638-7668

(Continued)

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS