MATERIAL SAFETY DATA SHEET

DuPont Registered Trademark
NIR In Product Identification section means Not Regulated as a Dangerous Good and no UN number is allocated.

ISSUED DUPONT 09/03/04

PRODUCT: DUPONT BRUSH-OFF® BRUSH CONTROLLER

Not Classified as Hazardous According to Criteria of NOHSC.

PRODUCT IDENTIFICATION

Common Name: NIR

Trade names:
- Brush-OFF® brush controller

Manuf.: DuPont

ManCode:

Use:
For the control of certain brush and broadleaf species in native pastures, rights of way and commercial and industrial areas, and for the control of certain broadleaf weeds in grass pastures and pasture renovations.

Ingredients:
- Metsulfuron methyl
- Inert Ingredients

CAS No: 74223-64-8
Proportion:
- 50%
- 40%

Physical Description / Properties

Appearance:
- Odour: Odourless
- Colour: Off-white
- Form: Granular solid

Other Properties:
- Bulk Density: 0.68 g/cm³
- Chemical family: Sulfonylurea
- pH: 4.2
- Solubility in water: 2.8 g/L at pH 7.
- Explosion Limits: Not flammable, Not explosive.

HEALTH HAZARD INFORMATION

Acute Effects

Eye:
Based on animal data, eye contact with metsulfuron methyl may cause eye irritation with tearing, pain or blurred vision. Not classified as an eye irritant according to the criteria of NOHSC.

Skin:
Based on animal data, repeated dermal contact with metsulfuron methyl may cause skin irritation with itching, burning, redness, swelling or rash. Not a primary skin irritant, or skin sensitizer. Not classified as a skin sensitizer according to the criteria of NOHSC.

Inhaled:
May irritate throat. Not classified as hazardous by inhalation according to the criteria of NOHSC.

Swallowed:
Not likely to be hazardous by ingestion. Not classified as hazardous by ingestion according to the criteria of NOHSC.

Continued on next page...

The information contained herein is offered only as a guide to handling this specific material. It does not relate to use of the material in combination with any other material or in any process. Persons using this information must determine for themselves whether the material is suitable for any particular application.
HEALTH HAZARD INFORMATION: (Continued)

Chronic Effects
Animal testing indicates that metolachlor methyl does not have carcinogenic, developmental or reproductive effects. There is a report indicating that metolachlor methyl produced genetic damage in a mammalian cell culture test, however, other tests with metolachlor methyl in bacterial and mammalian cell cultures and in animals did not produce genetic damage. The weight of evidence suggests that metolachlor methyl does not cause genetic damage. Long term administration caused body weight loss.

Other Health Effects
No data is available to confidently predict the effects of overexposure to humans, however based on animal studies, overexposure by inhalation, ingestion, or skin or eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision; or irritation of the upper respiratory passages. Repeated dermal exposure may lead to skin irritation with discomfort or rash.

First Aid
Eye: In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek Medical attention.
Skin: In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse.
Inhaled: Avoid breathing dust. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek Medical attention.
Swallowed: No specific intervention is indicated, as the compound is not likely to be hazardous by ingestion. However, seek Medical attention if necessary.

Advice to Doctor
No specific requirements. Treat symptomatically.

Toxicity Data
Metolachlor methyl
Acute Oral LD₅₀ (rat): > 5000 mg/kg
Acute Dermal LD₅₀ (rabbit): > 2000 mg/kg
4 hr Inhalation LC₅₀ (rat): > 5.0 mg/L

PRECAUTIONS FOR USE

Exposure Standards:
None established for formulated product.
Metolachlor methyl:
TWA (NOHSC): 10 mg/m³, dusts not otherwise classified
AEL (DuPont): 10 mg/m³ (8 and 12 hr TWA)

Engineering Controls:
Use only with adequate ventilation.

Personal Protection:
May irritate the eyes. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Flammability
Not a fire and explosion hazard. May be ignited by heat or open flame.

Continued on next page
Material Safety Data Sheet

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: Roundup PowerMAX
Product Code: 0574
Product Use: Non-selective herbicide for the control of many annual and perennial weeds.
Company Name: NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address: 103-105 Pipe Road, Laverton North, Victoria 3026, Australia
Emergency Tel.: 24hr 1800 033 498
Telephone/Telex: Tel: (03) 9282-1000 Fax: (03) 9282-1001
Number: Group M Herbicide
Other Information: This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization:
Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glyphosate (present as the potassium salt)</td>
<td>1071-83-6</td>
<td>540 g/L</td>
</tr>
<tr>
<td>Surfactant</td>
<td></td>
<td>~10 %w/v</td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td>Balance</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Irritating to skin.

Other Information: Poisons Schedule 5

4. FIRST AID MEASURES

Inhalation: Remove affected person to fresh air until recovered.
Ingestion: If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient. Do not give anything by mouth to a semi-conscious or unconscious person. Give a glass of water.
Skin: Wash affected areas thoroughly with soap and water. If irritation persists, seek medical advice.
Eye: If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.
First Aid Facilities: If poisoning occurs, contact a doctor or Poisons Information Centre on 13 11 26 (Australia).
Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Water, foam, carbon dioxide or dry chemical.
### Material Safety Data Sheet

**Product Name:** Roundup PowerMAX

**Hazardous:** Keep upwind.

**Combustion Products:** This product, or spray solutions of this product, react with galvanised steel or unlined steel (except stainless steel) containers and tanks, to produce hydrogen gas which may form a highly flammable or explosive gas mixture.

If involved in a major fire, could evolve oxides of nitrogen or phosphorus.

**Protective Equipment:** Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

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### 6. ACCIDENTAL RELEASE MEASURES

**Spills & Disposal:**
- Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).
- Collect in sealed open top containers for disposal.
- Final clean-up with degreasing agent or detergent is advised.

**Environmental Precautions:** Prevent from entering drains, waterways or sewers.

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### 7. HANDLING AND STORAGE

**Handling & Storage:**
- For personal protective equipment (PPE) and hygiene advice, refer Section 8.
- Store in the closed, original container in a dry, well ventilated area out of direct sunlight.
- Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

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### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**Exposure Limits:** No exposure standard has been established for this product.

**Personal Protective Equipment:**
- When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, nitrile or elbow-length PVC gloves and face shield or goggles.

**Eng. Controls:** No special ventilation required.

**Hygiene Measures:**
- After each day's use, wash contaminated clothing and safety equipment.
- After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Dark blue viscous liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>No odour</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;105°C</td>
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<tr>
<td>Specific Gravity (H₂O=1)</td>
<td>1.35 @ 20°C</td>
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<tr>
<td>Vapour Pressure</td>
<td>N/A</td>
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<tr>
<td>Vapour Density (Air=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Volatile Component</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non combustible material.</td>
</tr>
<tr>
<td>Ignition Temperature</td>
<td>N/A</td>
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<tr>
<td>Flammable Limits LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>Explosion Properties</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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### 10. STABILITY AND REACTIVITY
MATERIAL SAFETY DATA SHEET

Emergency Response: 1800 033 111  Phone: (03)5223 3746
Sipcam Pacific Australia Pty Ltd  ACN 073 176 888  Fax: (03)5223 3756
Suite 11/23-31 Gheringhap St
Geelong, Victoria, 3220  AUSTRALIA

Hazardous according to the criteria of Worksafe Australia.

IDENTIFICATION
Product Name: Glyphosate 360 Herbicide
Other Names: None.
Product Code: None.
UN No: None allocated
Chemical Code: None allocated
UN Dangerous Goods Class: None allocated
Sub Risk Class: None allocated
Packaging Group: None allocated
Poison Schedule: 5
Chemical Family: Water solution of ingredients (see below).
Uses: No selective water based herbicide. See label for efficacy details.

Physical Appearance & Properties
Appearance & Odour: Green coloured liquid. Mild amine odour.
Boiling point and vapour pressure: Approximately 100°C at 100kPa.
Volatile materials: Water component.
Flashpoint: Does not burn.
Specific gravity: 1.2 approx
Solubility in water: Completely soluble.
Corrosiveness: Not corrosive.

Ingredients
Chemical Entity          CAS No      Proportion, %    Worksafe Exposure Limits
                        38641-94-0    36          TWA, mg/m³  STEL, mg/m³
Glyphosate, isopropylamine salt  secret    approx1          not set          not set
Non hazardous detergents
Water                    7732-18-5    to 100       not set          not set

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:
No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe’s document “Exposure Standards for Atmospheric Contaminants in the Occupational Environment” (May 1995).

Acute Effects:
Swallowed: Data suggests that this product is harmful if swallowed.
Eye: This product is mildly irritating to the eyes. It is likely to cause mild discomfort such as watering and redness of the eyes. However, this should quickly disappear once exposure is over.
Skin: This product may irritate skin. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any significant lasting effects.
Inhalation: Data suggests that this product should present no significant problems to typical persons in normal use.

First Aid:
If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 1126 from anywhere in Australia.
Eyes: If product gets in eyes, wash material from them with running water. If they begin watering or reddening, take special care in washing thoroughly.
Skin: If product gets on skin, thoroughly wash contacted areas. No further measures should normally be required unless irritation is noticed. If irritation persists, seek medical attention.

Issued by: Sipcam Pacific Australia Pty Ltd
Phone: (03)5223 3746

Product: Glyphosate 360 Herbicide
Issued: February, 1999
MATERIAL SAFETY DATA SHEET

Inhalation: No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Advice to Doctor: Treat symptomatically. Note the nature of this product.

III PRECAUTIONS FOR USE

Risk Phrases are: R22. Harmful if swallowed.

Exposure Standards:
A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. The ADI (Acceptable Daily Intake) for Glyphosate, isopropylamine salt is set at 0.3mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 30mg/kg/day. Values taken from Australian ADI List, May 1998.

Engineering Controls:
In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:
Respiratory Protection: It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/NZS 1715.

Protective Gloves: Impermeable protective gloves should be worn when you are using this product, to prevent irritation. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: Protective eyewear is suggested when using this product. It is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

Clothing: Clean overalls or protective clothing should be worn, preferably with an apron. Consult AS2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Safety Phrases are: S20. When using, do not eat or drink.

Storage & Transport
No special storage and transport requirements. This product has no UN classification. This product is a S5 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

Spills & Disposals
In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered. Thoroughly launder protective clothing before storage or re-use. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Fire & Explosion Hazard
There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Flashpoint: Does not burn.

Flammability limits: Not applicable. This product does not burn.

Issued by: Sipcam Pacific Australia Pty Ltd
Phone: (03)5223 3746

Product: Glyphosate 360 Herbicide
Issued: February, 1999

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Material Safety Data Sheet

Access® Herbicide

Hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC). Risk Phrases: R38: Irritating to skin, R65 - Harmful: May cause lung damage if swallowed.

Date of Issue: February 2001
Page: 1 of 4

Company: Dow AgroSciences Australia Ltd, ABN 24 003 771 659
Address: Level 5, 20 Rodborough Road, Frenchs Forest NSW 2086
Website: www.dowagrosciences.com.au

Customer Service Toll Free Number: 1800 700 096 (Mon-Fri 8am-5pm EST)
Emergency Telephone Number: 1800 033 882 (24 hours) (EMERGENCIES ONLY)

IDENTIFICATION

Product Name: Access Herbicide
Shipping Names: None
Product Code: IWD-4091
UN No: None allocated
Hazchem Code: None allocated
Dangerous Goods Class: None allocated
Sub Risk Class: None allocated
Packaging Group: None allocated
Poison Schedule: SS
Uses: Selective control of a wide range of woody and noxious weeds in commercial and industrial areas, public lands, fence lines and pastures, by basal bark and cut stump applications as specified on the label

PHYSICAL APPEARANCE & PROPERTIES

Appearance: Clear brown liquid
Boiling point: 183-210°C (solvent)
Volatile materials: No specific data, expected to be low at 100°C
Flashpoint: 73°C (PMCC)
Specific gravity: 107 g/mL at 20°C
Solubility in water: Insoluble
Corrosiveness: Not corrosive
Vapour Pressure: 375mm Hg at 38°C (solvent)

INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Entity</th>
<th>CAS No.</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triclopyr butoxyethyl ester (sufficient to give 240 g/L of the acid equivalent)</td>
<td>084700-56-7</td>
<td>343 g/L</td>
</tr>
<tr>
<td>Plocoram isoctyl ester (sufficient to give 120 g/L of the acid equivalent)</td>
<td>028952-20-5</td>
<td>205 g/L</td>
</tr>
<tr>
<td>Aromatic solvent</td>
<td>084742-94-5</td>
<td>390 g/L</td>
</tr>
<tr>
<td>Other non hazardous ingredients</td>
<td></td>
<td>&lt; 150 g/L</td>
</tr>
</tbody>
</table>

*Trademark of Dow AgroSciences
HEALTH HAZARD DATA

HEALTH EFFECTS
The information provided below is from studies conducted using a formulation similar to Access Herbicide.

Acute
Swallowed: The oral LD₅₀ (rat) is above 2000 mg/kg (low toxicity).
Eye: May cause slight eye irritation.
Skin: The acute dermal LD₅₀ (rabbit) is above 2000 mg/kg (low toxicity). Prolonged or repeated contact may cause moderate irritation, drying or flaking of the skin and possible skin sensitisation.
Inhaled: The acute inhalation LC₅₀ is > 5 mg/mL (very low toxicity). Prolonged exposure to the solvent vapour from the concentrate may cause eye and respiratory irritation, headache, dizziness and narcotic effects.

Chronic
Possible chronic health effects from exposure to Access Herbicide are based on studies on the active ingredient. Rats and mice administered the active ingredients, triclopyr and picloram, in chronic carcinogenicity studies showed no increase in tumours when compared to the untreated group. Studies in rats indicated that triclopyr and picloram do not cause birth defects or interfere with reproduction. Triclopyr and picloram do not cause genetic change and do not accumulate in the body. The ingredients are not listed as carcinogenic in NOHSC's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

SAFETY DIRECTIONS AND PERSONAL PROTECTION
Harmful if swallowed. Will irritate the eyes, nose, throat and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist.

When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrists, a washable hat, elbow-length neoprene gloves and a face shield or goggles. If product in eyes, wash it out immediately with water. If product on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash hands after use. After each day use wash gloves, face shield or goggles and contaminated clothing.

FIRST AID
General: Consult The National Poisons Information Centre (Ph: 131126) or a Doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

Swallowed: If swallowed, contact the Poisons Information Centre or a doctor immediately.
Skin: If on skin, remove contaminated clothing and wash skin thoroughly with soap and water.
Eyes: If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor.
Inhalation: If affected, remove from contaminated area to fresh air.
Advice to Doctor: Access Herbicide contains petroleum solvents. If lavage is performed, endotracheal or oesophagoscopy control is advisable.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS
A time weighted average (TWA) has been established for picloram, present in significant quantities in this product. This value is 10 mg/m³. The corresponding STEL level is "not set". The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The ADI (Acceptable Daily Intake) for triclopyr is set at 0.005 mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 0.5 mg/kg/day. The ADI for picloram is set at 0.07 mg/kg/day. The corresponding NOEL is set at 7 mg/kg/day. Values taken from Australian ADI List, January, 2001.