

FARM-AG INTERNATIONAL (Pty) Ltd

P.O. Box 1523, Durban 4000

Head Office : 61 Marshall Dr., Old Mill Industrial Park, Mount Edgecombe South Africa

Registration Number: 2005/011761/07

Tel + 27 31 003 3486 • Fax + 27 31 502 5825

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Buccanneer 960
Common Name: Metolachlor 960 g/l
Creation Date: October 2012
Revision Date: August 2017

24 Hr Emergency Number: 082 771 2712

In case of poisoning:

Poison Information Centre: 082 446 8946
Tygerberg Hospital: (021) 931 6129
Poison Emergency Enquiries (021) 689 5227

In case of Spillage:

HAZMAT: 0800 147 112

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: 2-ethyl-6-methyl-N-(2-methoxy-1-methylethyl)- chloro-acetanilide
Chemical Class: Acetanilide
Hazardous components: Metolachlor 960 g/l
EC classification:
R phrases: R22, 36/38, 43, 50
CAS NO. 51218-45-2
UN NO: 3082
Use: Herbicide

SECTION 3 - HAZARD IDENTIFICATION

HEALTH HAZARDS: Harmful in contact with skin. Animal studies suggest skin sensitizing potential.

ENVIRONMENTAL HAZARDS: Toxic to fish and very toxic to algae.

SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS**POISONING SYMPTOMS:**

No case of human poisoning is known.

FIRST AID:

Remove the patient from the danger zone and place him in a well-ventilated area to avoid hypothermia. If poisoning is suspected: Call a physician immediately

Skin contact: Strip off all clothing and thoroughly wash body with soap and water.

Eye contact: Flush eyes with plenty of clean water, for several minutes, and call physician if irritation persists.

Ingestion: Do not induce vomiting, repeatedly administer medicinal charcoal with plenty of water. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary

FOR THE ATTENTION OF THE PHYSICIAN:

No specific antidote is known. Apply symptomatic therapy.

SECTION 5 - FIRE-FIGHTING MEASURES**Fire and Explosion**

Flash Point (Test Method) : 62 °C
Auto-ignition temperature : Not available
Flammability : Flammable

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Extinguishing Media:

Powder, foam, carbon dioxide or water spray (do not use direct jet of water). Suitable measures have to be taken to prevent the contaminated water from seeping into the ground or from spreading uncontrollably. Use respirator to protect from fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

FOLLOW COUNTRY SPECIFIC REGULATIONS. CONTACT THE LOCAL REPRESENTATIVE.

LIQUID SPILLS

Soak up with absorptive material such as sand, soil, diatomaceous earth etc. Prevent material from spreading eg. by damming in with absorptive material. Collect material in specially marked, tightly closing containers.

CLEANING PROCEDURE: Treat contaminated surfaces with water containing soda, soap or detergent. Collect washings in containers to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil.

DISPOSAL: Spilled product cannot be re-used and has whenever possible to be disposed of on site. If a risk-free disposal is not possible, contact the manufacturer, the dealer or the local representative. Dispose of wastes in an incinerator approved for chemicals.

DAMAGED CONTAINERS: Place original containers in specially marked larger ones. Dispose the empty containers in an incinerator approved for chemicals or in a site (landfill). Check possibilities of recycling large empty containers, drums and barrels.

SECTION 7 - HANDLING AND STORAGE REQUIREMENTS**HANDLING:**

Rubber apron. Heavy duty shoes or boots. Gloves, goggles or face-shield.

STORAGE:

Temperature below -10°C should be avoided

Storage Limit:

3 yr. In moderate climate

2 yr. In tropical climate

INSTRUCTIONS FOR STORAGE: Store the product in closed original containers in a well ventilated room. Keep out of reach of children, unauthorized persons and animals. Store separate from food and feed. Protect from sun and humidity.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL

PRECAUTIONARY AND PROTECTIVE MEASURES: Avoid contact with skin, eyes and clothing. Avoid inhalation of fog and vapours. Do not eat, drink or smoke. Vapours/air mixtures are explosive at higher temperature. Keep away from sources of ignition. Take precautionary measures against static discharges (transfer operation: check grounding). Work in a well ventilated area.

PROTECTIVE CLOTHING: Heavy duty cotton or synthetic fabric working clothes (e.g. overalls). Rubber apron. Heavy duty shoes or boots. Gloves, goggles or face-shield. In case of heavy exposure wear: Gas Mask.

DURING WORK: After contamination immediately wash skin with soap and water. Clean soiled clothing. After eye contact flush eyes with clean water for several minutes and call a physician immediately. Change heavily contaminated clothing. Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling

AFTER WORK: Wash thoroughly (shower, bathe, wash hair). Change clothing, thoroughly clean contaminated equipment with soap or soda solution.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown to brown liquid

Density (g/ml) : 1,11 – 1,12 g/cm³

Flash point : 62 °C Pensky-Martens C.C.

Solubility (g/l) : In water 530 ppm at 20°C

: Emulsifiable-will mix with water.

Flammability : Flammable

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Tel + 27 31 003 3486 • Fax + 27 31 502 5825**Corrosiveness** : Non corrosive; appropriate material: Iron / Aluminium**SECTION 10 - STABILITY AND REACTIVITY****Reactivity**

Stability : Stable under standard conditions

Hazardous Polymerisation: Will not occur

Conditions to Avoid: None known

Hazardous Decomposition Products

None known

SECTION 11 - TOXICOLOGICAL INFORMATION

Oral-Rat LD₅₀ : 2500 mg/kg
Dermal rat : 3000 mg/kg
Inhalation (4 h@ 20°C) : 2000 mg/kg not attainable
LC₅₀ Rat inhalation >1.75 mg/l air/6 hr (Technical)
Skin Irritation : Severe
Eye irritation : Slight
Sensitization : Sensitizing
Mutagenic Potential : None observed
Reproductive Hazard Potential
Metolachlor: none observed
Chronic/Subchronic Toxicity Studies
Metolachlor: none observed
Carcinogenic Potential
Metolachlor: Benign liver tumors a high dose levels (female rats)

SECTION 12 - ECOLOGICAL INFORMATION**TOXICITY TO WILDLIFE:****Birds:** Practically Non-toxic**LC₅₀ Bobwhite quail dietary** >10000 ppm/8 day**Fish:** Toxic**LC₅₀ Cyprinus carpio (Carp)** 4.9 mg/l/96 hr**LC₅₀ Salmo gairdneri (Rainbow trout)** 2 mg/l/96 hr**Algae:** Very toxic to algae.*Scenedesmus subspicatus:* EC₅₀; 0.1 mg/l**Bees:** Non Toxic**ENVIRONMENTAL PERSISTENCE/MOBILITY:**Stable in water, in the dark. Primary aerobic degradation is rapid ($T_{1/2} = 9$ days), secondary degradation is slower ($T_{1/2} = 2$ months). High to medium mobility in a Kd test with all soils (Koc = 110 to 369)**SECTION 13 - DISPOSAL CONSIDERATION**

Do not contaminate rivers, dams or any other water source with chemical or used containers. Drain and triple rinse containers and then destroy by perforation and flattening. Bury in an approved dumping site. Do not re-use containers for any other purpose.

14. TRANSPORT INFORMATION

UN 3082

Road:**ADR**

Substance name: Environmentally hazardous substance, liquid ,n.o.s.(Metolachlor 960 g/l).

Packaging group III

Hazard ID: 90

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Tel + 27 31 003 3486 • Fax + 27 31 502 5825Label: 9
Item no: 11° (c)**IMDG/IMO**

Packaging group: III

Label of class: **9 MARINE POLLUTANT**

Shipping name: Environmentally hazardous substance, liquid, n.o.s..(Metolachlor 960 g/l).

AIR/IATA

Shipping name: Environmentally hazardous substance, liquid, n.o.s..(Metolachlor 960 g/l).

Class: 9

Packaging Group: III

15. REGULATORY INFORMATION

R 22	Harmful if swallowed.
R 36/38	Irritation to eyes and skin.
R 43	May cause skin sensitisation by skin contact.
R 50	Very toxic to aquatic organisms. Safety phrases:
S 1/2	Keep under lock and key and out of reach of children.
S 24/25	Avoid contact with skin and eyes.
S 28	After contact with skin, wash immediately with plenty of water.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S 61	Avoid release to the environment. Refer to special instructions / Safety data sheets.

National Legislation: In accordance with 91/155/EEC Directive and with French standard T 01-102 and the South African National Road Traffic, 1996(Act93 of 19996, The Fire Brigade Act,1987(Act99 of 1987), and the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).

16. OTHER INFORMATION

BUCCANEER 960 is supplied FARMAG INTERNATIONAL (Pty) Ltd. Read the label before use or buy.

Disclaimer: Read the label before use or buy.

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. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequence thereof.

REFERENCES

- Similar product MSDS.
- The Pesticide Manual; Eleventh Edition; Editor Clive Tomlin; Crop Protection Publications, 1997.
- Dangerous Goods Regulations; IATA International Air Transport Association, 41st Edition, Effective 1 January 2000.
- IMDG Code, Vol. 2, 2000 Edition/.
- EXTTOXNET, Pesticide Information Profiles, Revised June 1996. The primary files are maintained and archived at the Oregon State University.

END OF MSDS.