



MATERIAL SAFETY DATA SHEET

VERSION : 1

REVIEW DATE : **MAY 2012**

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1. PRODUCT AND COMPANY IDENTIFICATION

NAME : BAYER (PTY) LTD
ADDRESS : 27 WRENCH ROAD
P.O. BOX 143
ISANDO
1600
TELEPHONE : +27 (011) 921 5911(OFFICE HOURS)
FAX : +27 (011) 921 5766
TRADE NAME : BALLISTA
USAGE : Vegetable oil that increases the penetration and efficacy of several sulfonylurea herbicides.
CHEMICAL FAMILY :
PRODUCT IDENTIFICATION : Straw coloured liquid
USE : Additive to reduce tension of water
UN NO : Not Regulated.
UVP NO: 79985045
HAZARDOUS COMPONENT: Surface Active Agent (Trade Secret)

IN CASE OF POISONING PLEASE PHONE : +27 (021) 931 6129 OR (012) 803 0145

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Methylated vegetable oil
Surface active agent (trade secret)
Total Active Ingredients = 912 g/kg

3. HAZARDS IDENTIFICATION

Emergency Overview

- May cause eye and skin irritation.
- May cause irritation of the digestive and respiratory tract.

Potential Health Effects

Inhalation:



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May cause respiratory tract irritation.

Ingestion:

May cause irritation of the digestive tract.

Skin Contact:

May cause skin irritation.

Eye Contact:

May cause eye irritation.

Chronic Exposure:

No information found.

4. FIRST AID MEASURES

Inhalation:

Immediately remove from exposure to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Obtain medical advice if necessary.

Ingestion:

Have victim rinse mouth thoroughly with water. Give water to dilute the material if the victim is alert and not convulsing. Do NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid to avoid breathing in of vomits, rinse mouth and administer more water. Never give anything by mouth to an unconscious person. Qualified medical personnel should perform administration of oxygen. Seek medical advice immediately.

Skin Contact:

Flush skin with plenty of soap or mild detergent and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing before re-use.

Eye Contact:

Immediately flush eyes with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Check and remove contact lenses after 5 minutes. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. During a fire irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire Extinguishing Media:

In case of fire use water spray, dry chemical, carbon dioxide or appropriate foam.



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6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Small Spills: Absorb immediately with sand or other non-combustible absorbent material and place into a chemical waste container .

Large Spills: Dyke far ahead of liquid spills for later disposal. Provide adequate ventilation.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation system:

Use adequate ventilation to keep airborne concentrations low. If conditions of use create discomfort to the worker, a local exhaust system should be considered.

Skin Protection:

Wear appropriate protective gloves and overalls to prevent skin exposure.

Eye Protection:

Wear appropriate protective eyeglasses or chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES



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Physical appearance: Straw coloured liquid
Odour: Fatty odour
Solubility: Forms an emulsion in water
Density: 0,912
pH: 5
Boiling Point 217°C
Vapour Density 10.22

10. STABILITY AND REACTIVITY

Stability: Stable at room temperature in closed containers, under normal storage and handling conditions.
Hazardous Polymerisation: Has not been reported.
Hazardous Decomposition: Carbon monoxide, carbon dioxide, acrid smoke and fumes.
Conditions to avoid: Incompatible materials, strong oxidants.
Incompatibilities: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Oral LD₅₀ (rat): 4 215 mg/kg
Dermal LD₅₀ (rabbit): > 10 000 mg/kg
Inhalation LC₅₀: Not available
Skin: Slight irritant (rabbit)
Eye: Slight irritant (rabbit)

12. ECOLOGICAL INFORMATION

Environmental Fate: No information found
Environmental Toxicity: No information found

13. DISPOSAL CONSIDERATIONS

Contaminated absorbents, surplus product (in diluted form), etc., should be buried in an approved landfill. Comply with any local legislation applying to waste disposal. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste. Dispose of container by perforation and flattening and do not use for any other purpose.



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14. TRANSPORT INFORMATION

Not regulated

15. REGULATORY INFORMATION

EC Hazard Symbols: Not available
Risk – Phrase: None
S – Phrase: S24/25 -Avoid contact with skin and eyes
S28- After contact with skin, wash immediately with plenty of water.
S37 - Wear suitable gloves.
S45 – In case of accident or if you feel unwell, seek medical advice immediately.

National legislation: National Road Traffic Act, 1996 (Act 93 of 1996).
Fire Brigade Service Act, 1987 (Act 99 of 1987).
Occupational Health and Safety Act, 1993 (Act 85 of 1993).

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. A properly trained person using this product intends this document only as a guide to the appropriate handling of the material. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.