

MONSANTO



COSHH SAFETY ASSESSMENT ROUNDUP PROBIACTIVE 450

INTRODUCTION:

The Control of Substances Hazardous to Health Regulations, (COSHH), 2004 come under the Health and Safety at work Act 1974 and as such give a legal duty to anyone working with hazardous substances to evaluate the risk to health and to eliminate or adequately control such risks.

HAZARD – The intrinsic potential of a substance to cause harm.

RISK - The likelihood of harm being caused in the actual circumstances of use.

Many pesticides are classed as hazardous and so a COSHH assessment should always be carried out. In gaining Approval under PPR from the Chemical Regulatory Directorate the hazards of a pesticide are evaluated and appear on the label, but it is the way the product is used which determines the risk involved and is the reason why each use needs a separate assessment.

- Roundup ProBiactive 450 has no hazard rating, but its use must still be evaluated under COSHH.
- You should always choose the safest product available.
- By carrying out a COSHH assessment you demonstrate you have thought through fully the safety aspects of your weed control operations. You must know why you have chosen Roundup ProBiactive 450 rather than any other method of weed control.

The following information about Roundup ProBiactive 450 will help in conducting a COSHH assessment. Details can be found on the HSE website and can be completed online <http://www.hse.gov.uk/coshh/essentials/index.htm>.

Once written it will only need to be repeated if circumstances change, however it must be reviewed at least every 5 years and preferably annually. More details are included in The Code of Practice for using Plant Protection Products, 2006.

PRODUCT DETAILS

MAPP number 12778

550g/l (42.2% w/w) of the potassium salt of glyphosate, (CAS No.70901-12-1)
Containing 450g/l of glyphosate

Surfactants 7%

Water 51%

PRODUCT TOXICITY KEY FACTS

A Full Material Safety Data Sheet is available from your distributor or from Monsanto.

SUMMARY

Hazard Rating – None

Acute Oral Toxicity:

- World Health Organisation (WHO) toxicity rating – not classified.
Roundup ProBiactive 450 is practically non-harmful by ingestion.

Acute Dermal Toxicity:

- World Health Organisation (WHO) toxicity rating – not classified.
Roundup ProBiactive 450 is practically non-harmful by skin absorption.

Acute Inhalation:

- No risk in normal use situations.

Sensitisation:

- No sensitising potential. I.e. No allergic reaction.

OCCUPATIONAL EXPOSURE STANDARD

Roundup ProBiactive 450 is non-hazardous; there is no OES and no specified need to monitor the health of users of Roundup ProBiactive 450 herbicide.

CHRONIC TOXICITY: ACTIVE INGREDIENT – GLYPHOSATE

The results of longer term studies which assess the risk of long term low dose exposure show that glyphosate is:

- NOT MUTAGENIC
- NOT CARCINOGENIC
- NOT TERATOGENIC
- NO REPRODUCTIVE EFFECTS
- NOT A CHOLINESTERASE INHIBITOR

The data from extensive studies confirm that if used according to the label instructions, Roundup ProBiactive 450 does not constitute a hazard to human health.

PRACTICAL GUIDANCE TO AVOID EXPOSURE, OPERATOR PROTECTION & PERSONAL PROTECTIVE EQUIPMENT,(PPE)

Try not to walk through the spray swath during application or through treated vegetation.

- 1. THE CODE OF PRACTICE & LABEL DICTATE MINIMUM PPE FOR GOOD HYGIENE: SPRAYING USING CONVENTIONAL SPRAYERS, USING ROTARY ATOMISERS, WEEDWIPERS, SPOT GUNS & MAKING CUT STUMP APPLICATIONS.**

Protective coverall (e.g. Tyvek disposable overall)
Suitable protective gloves: e.g Rubber or nitrile.
Rubber boots

2. IN ADDITION TO 1. WHEN HANDLING THE CONCENTRATE OR USING THE STEM INJECTION TECHNIQUE : Face protection, (Face shield).

DISPOSAL OF PESTICIDE WASTE

STORAGE OF UNUSED CONCENTRATE

Unused product should be stored only in the original container. It will keep for several years in a suitable chemical store. Always rotate stock and use the oldest first.

UNUSED DILUTED SPRAY

Ideally plan not to have any left over, or use later in making the next batch of diluted spray. Once diluted the active ingredient will start to break down and lose activity within a few days. Surplus spray should be sprayed out onto an untreated area where it will have a beneficial herbicidal effect, but not onto impermeable hard surfaces.

EMPTY CONTAINERS

Empty cans of Roundup ProBiactive 450 should be triple rinsed and stored safely until transferred to someone authorised to handle waste. More detailed sheet on disposal available from the Technical Hotline on 01954 717575

IN CASE OF SPILL OR ACCIDENT

First Aid:

Skin; Wash with water

Contaminated clothing; Remove and wash before reuse.

Eye contact; Rinse with plenty of potable water/sterile eye wash solution.

Decontamination:

Wearing gloves and a coverall, surround the area with sufficient absorbent, non-combustible material such as sand bags to prevent entry into drains. Then sweep or shovel into suitable Aluminium, plastic, plastic-lined steel, stainless steel or fibreglass containers, label and seal. Containers should be collected by an appropriately authorised/licensed specialist waste disposal operator.