

MONSANTO



## **COSHH SAFETY ASSESSMENT ROUNDUP PROBIO**

### **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 FEPA from the Chemicals Regulation 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 ProBio 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 ProBio rather than any other method of weed control.

The following information about Roundup ProBio 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 15539

441g/l Potassium salt of N-( Phosphonomethyl), glycine = (Potassium salt of glyphosate).  
Containing 360g/l of glyphosate      35% w/w (CAS No. 70901-12-1, EC No 933-437-9)

Surfactants      >6%

Water & minor formulating ingredients >59%

## **PRODUCT TOXICITY KEY FACTS**

An up to date Material Safety Data Sheet is available from your distributor or from [www.monsanto-ag.co.uk](http://www.monsanto-ag.co.uk)

### **SUMMARY**

**Hazard Rating** – None

**Acute Oral Toxicity:**

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

**Acute Dermal Toxicity:**

- World Health Organisation (WHO) toxicity rating – not classified. Glyphosate 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,(OES)***

Roundup ProBio is non-hazardous; there is no OES and no specified need to monitor the health of users of Roundup ProBio 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 ProBio does not constitute a hazard to human health.

### ***PRACTICAL GUIDANCE TO AVOID EXPOSURE***

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

- 1. CODE OF PRACTICE & LABEL DICTATE MINIMUM PERSONAL PROTECTIVE EQUIPMENT,(PPE):WHEN HANDLING THE CONCENTRATE AND SPRAYING USING CONVENTIONAL SPRAYERS, USING ROTARY ATOMISERS, WEEDWIPERS, SPOT GUNS & MAKING CUT STUMP APPLICATIONS OR USING STEM INJECTION EQUIPMENT.**

Suitable protective coverall (e.g. Tyvek disposable overall)

Suitable protective gloves: e.g.Rubber or nitrile

Suitable waterproof boots: e.g.Rubber

## 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 on hard surfaces like Tarmac™ or concrete where run-off to drains can occur.

## EMPTY CONTAINERS

Empty cans of Roundup ProBio 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.

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.

USE HERBICIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION  
BEFORE USE

**For more information telephone the Technical Helpline (01954) 717575**

**e-mail [technical.helpline.uk@monsanto.com](mailto:technical.helpline.uk@monsanto.com)**

**website at [www.monsanto-ag.co.uk](http://www.monsanto-ag.co.uk)**

**Roundup ProBio contains glyphosate.**

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