



COSHH SAFETY ASSESSMENT – MONSANTO AMENITY GLYPHOSATE

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 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.

- Monsanto Amenity Glyphosate carries the exclamation mark under new Global Harmonisation System introduced in 2014.
- 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 Monsanto Amenity Glyphosate rather than any other method of weed control.
- Under the Plant Protection Products (Sustainable Use) Regulations 2012 you also have obligations to use pesticides as part of Integrated Management; to keep the amount of pesticide used in specific amenity areas to a minimum and to choose products not dangerous to the aquatic environment where relevant.

The following information about Monsanto Amenity Glyphosate will help in conducting a COSHH assessment. 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 16382

441g/l Potassium salt of N-(Phosphonomethyl), glycine = (Potassium salt of glyphosate),
Containing 360g/l of glyphosate 35.3% w/w (CAS No. 70901-12-1; EC No 933-437-9)

Surfactants: 6% (CAS No. 68478-96-6)

Water & minor formulating ingredients: 58.5 %

PRODUCT TOXICITY KEY FACTS

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

SUMMARY

Hazard Rating – (CLP): Eye irritation Category 2 H319 Causes serious eye irritation

Undiluted Monsanto Amenity Glyphosate can cause reversible eye irritation, so if there is potential for eye contact wear a faceshield or goggles.

ACTIVE INGREDIENT:

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 / MAXIMUM EXPOSURE LEVEL

Monsanto Amenity Glyphosate has no OES or MEL and there is no specified requirement to monitor the health of users.

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, Monsanto Amenity Glyphosate 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 whilst still wet.

**1. THE CODE OF PRACTICE & LABEL DICTATE MINIMUM PPE FOR GOOD HYGIENE:
SPRAYING USING HAND HELD SPRAYERS OR ROTARY ATOMISERS:**

Suitable protective clothing, (coverall e.g. Tyvek disposable overall)
Suitable protective gloves: e.g Rubber or nitrile. (0.5mm thick EN374).
Wellingtons or water repellent boots complying with BS EN ISO 20345:2004

**2. IN ADDITION TO 1. WHEN HANDLING THE CONCENTRATE OR CONTAMINATED
SURFACES, USING WEED WIPER EQUIPMENT, MAKING CUT STUMP TREATMENTS
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 like Tarmac, paving or concrete.

EMPTY CONTAINERS

Empty cans of Monsanto Amenity Glyphosate 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) 7127575

IN CASE OF SPILL OR ACCIDENT

- First Aid: Skin; Wash with plenty of water
Contaminated clothing; Remove and wash before reuse.
Eye contact; Rinse with plenty of potable water/sterile eye wash solution for at least 15 minutes.

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.

For more information telephone the Technical Helpline (01954) 717575
e-mail technical.helpline.uk@monsanto.com
visit our website at www.monsanto-ag.co.uk

Monsanto Amenity Glyphosate contains glyphosate.

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

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