

# SAFETY DATA SHEET

## Country Mile Glyphosate 360



### 1. SUBSTANCE IDENTIFICATION

SUPPLIER NAME	Farm Source
SUPPLIER ADDRESS	PO Box 9045, Hamilton 3240
SUPPLIER CONTACT DETAILS	Ph 0800 731 266
EMERGENCY PHONE	
POISON INFORMATION	0800 POISON (0800 764 766) 24 hours
CHEMICAL EMERGENCY	0800 CHEMCALL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	360g/L glyphosate as the isopropylamine salt in the form of a soluble concentrate
CHEMICAL FAMILY	Phosphono methyl glycine
USE	Herbicide

### 2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the NZ Environmental Protection Authority criteria.

GHS CLASSIFICATIONS	Eye irritation Category 2 Acute inhalation toxicity Category 4 Hazardous to the aquatic environment chronic Category 2
HSNO CLASSIFICATIONS	6.1D, 6.4A, 9.1B
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H319 Causes serious eye irritation. H332 Harmful if inhaled. H441 Toxic to aquatic life with long lasting effects.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P261 Avoid breathing mist / vapours / spray. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well ventilated area. P273 Avoid unintended release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do so. Continue rinsing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P337 + P313 If eye irritation persists: Get medical advice/ attention. P363 Wash contaminated clothing before reuse. P391 Collect Spillage.
STORAGE STATEMENTS	See Section 7.
DISPOSAL STATEMENTS	P501 Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION % w/v
Glyphosate isopropylamine	38641-94-0	36 % (360 g/L)
Tallow amine ethoxylate	61791-26-2	10 – 20 %
Non-hazardous ingredients	Proprietary	Balance to 100%

### 4. FIRST AID MEASURES

**For advice call the National Poisons Centre 0800 POISON (0800 764 766) 24 hours or a doctor.** If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation occurs, get medical attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs, get medical advice/ attention.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the POISON CENTRE or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Alcohol resistant foam is preferred firefighting medium but if it is not available, standard foam can be used. Prevent extinguishing media from entering drains
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compounds.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	3Z

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS SPILLS AND DISPOSAL	Prevent product from entering waterways or drains. Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbent material (attapulgit or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. See Section 13 for details on disposal.



## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR HANDLING

Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas.

### STORAGE

Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 1000 litres or more of Country Mile Glyphosate 360 require secondary containment, signage and an emergency response plan.

Country Mile Glyphosate 360 should only be stored and applied in plastic or plastic lined containers, aluminium, brass, copper, stainless steel or fiberglass containers. The contact of Country Mile Glyphosate 360 with unlined or galvanized steel may cause a highly flammable gas to form causing an explosion if ignited by an open flame etc

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

Not established

### EYE PROTECTION

Wear eye/face protection.

### RESPIRATORY PROTECTION

Respiratory protection is not usually required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator.

### PROTECTIVE CLOTHING

Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.

### VENTILATION

Avoid inhalation. Use in a well-ventilated area.

### HYGIENE PRECAUTIONS

Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE / STATE/ COLOUR

Clear amber liquid

### ODOUR

Not Available

### ODOUR THRESHOLD

Not Available.

### pH (1% solution)

5 (typical)

### MELTING POINT / FREEZING POINT

Not Available

### INITIAL BOILING POINT / BOILING RANGE

Not Available

### FLASHPOINT

Not Available

### FLAMMABILITY

Non-Flammable

### UPPER/LOWER FLAMMABILITY LIMITS

Not Available

### VAPOUR PRESSURE

Not Available.

### VAPOUR DENSITY

Not Available.

### RELATIVE DENSITY

1.17 g/ml @ 20°C (typical)



## 9. PHYSICAL AND CHEMICAL PROPERTIES

SOLUBILITY	Soluble in water.
OCTANOL / WATER PARTITION COEFFICIENT	Not Available.
AUTOIGNITION TEMP	Not Applicable.
DECOMPOSITION TEMPERATURE	Not Available.
KINEMATIC VISCOSITY	Not Available.
PARTICLE CHARACTERISTICS	Not Available

## 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	Stable under normal conditions.
MATERIALS TO AVOID	Galvanised or unlined steel containers. Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce toxic fumes and compounds.

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE EFFECTS</b>	No toxicological data is available for the finished product.
ORAL TOXICITY	LD50 (rat) > 20000mg/kg for glyphosate isopropylamine
DERMAL TOXICITY	LD50 (rat) > 20000mg/kg for glyphosate isopropylamine
INHALATION TOXICITY	Harmful if inhaled.
EYE CORROSION / IRRITANCY	Causes serious eye irritation.
SKIN CORROSION / IRRITANCY	No information.
<b>CHRONIC EFFECTS</b>	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

## 12. ECOLOGICAL INFORMATION

TOXICITY	Toxic to aquatic life with long lasting effects.
PRECAUTIONS	<p>This product must be under the control of a suitably qualified handler if it is applied directly into or onto water.</p> <p>Avoid unintentional contamination of any waterways with product or empty container.</p> <p>Selective Herbicide - very toxic to some plant species.</p> <p>Spray Drift Hazard – May cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application.</p>

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### 12. ECOLOGICAL INFORMATION

ECOTOXICITY INFORMATION	Glyphosate isopropylamine	LC50 (96hr, bluegill sunfish) 45 mg/L EC50 (48hr, water flea) 134 mg/L EC50 (96hr, diatom) 1.2mg/L
BIOACCUMMULATIVE	No	
BIODEGRADABLE	Not biodegradable in water. Non-residual in soil.	

### 13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.

PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, contact your supplier or chemical recycling facility.
CONTAINER DISPOSAL	Triple rinse container and add residue to spray tank. Return empty container to an Agrecovery collection point for disposal, or puncture and dispose of at an approved facility. Do NOT burn. Do not use the container for any other purpose.

### 14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, NZS 5433:2020, IMDG OR IATA.



	Land Transport (NZS 5433)	Sea Transport (IMDG / IMO)	Air Transport (IATA / ICAO)
UN Number	3082	3082	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (glyphosate 36%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (glyphosate 36%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (glyphosate 36%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	3Z	3Z	
Marine Pollutant Status		Marine Pollutant	

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### 15. REGULATORY INFORMATION

ACVM REGISTRATION	P007302 See MPI website for registration conditions <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a>
HAZARDOUS SUBSTANCE APPROVAL CODE	HSR000227 See the EPA website for approval controls <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>

### 16. OTHER INFORMATION

SDS ISSUE DATE	09 September 2022
SDS REVIEW DATE	September 2027
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals and Group Standards Databases
ABBREVIATIONS	
ACVM	Agricultural Compounds and Veterinary Medicines
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
EPA	Environmental Protection Agency (New Zealand)
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG/IMO	International Maritime Dangerous Goods / International Maritime Organisation
IATA / ICAO	International Air Transport Association / International Civil Aviation Organisation
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products properties.

End of Safety Data Sheet