



SAFETY DATA SHEET

REPLY TM 600

SECTION 1: Identification of the substance and supplier

Product name: REPLY 600
Recommended Use: Non selective herbicide

Company: Grosafe Chemicals Ltd.
Address: 20 Jean Batten Drive, Mt Maunganui. (P.O. Box 14450, Tauranga, 3143)
Email: iinfo@grosafe.co.nz
Telephone Toll Free Number:
Emergency Telephone Number: 0800 CHEMCALL (0800 243622)
(EMERGENCIES ONLY) The National Poisons Centre (0800 POISON (0800 764 766)

Date of Issue: July 2017

SECTION 2: Hazards Identification

HSNO Hazard Classification: 6.3B (mild skin irritant), 6.4A (eye irritant), 9.1A (toxic to aquatic plants), 9.2A (toxic to soil organisms).

SECTION 3: Composition/information on ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>Content</u>
metsulfuron methyl	74223-64-6	60%
Other ingredients	-	40%

SECTION 4: First Aid Measures

Skin contact: Wash with soap and water. Wash contaminated clothing before reuse.

Eye contact: Flush eyes with clean water. If irritation persists consult a doctor

Ingestion: Unlikely. No specific treatment is indicated.

Inhalation: Unlikely. No specific treatment is indicated.

Advice to doctor : No specific requirements, treat symptomatically.

Consult The National Poisons Centre, 0800 POSION (0800 764 766), or a Doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

SECTION 5: Fire Fighting Measures

Flammable properties:

Polymerisation:

Hazardous Decomposition Products:

Fire & Explosion Hazards:

Non flammable

Not known to occur.

None expected

Not a fire or explosion hazard

Special Fire Fighting procedures:

Evacuate personal to a safe area. Wear breathing apparatus and full protective clothing. Do not allow water from fire-fighting to enter water supplies, or drainage systems

Extinguishing Media:

Water fog, foam, CO₂, or dry chemical extinguishers.

SECTION 6: Accidental Release Measures

Wear appropriate protective equipment (see Section 8). Clear the area of all unprotected personnel. Prevent entry of chemical or used/damaged containers into sewers, drains, streams or waterways. If necessary, inform the police and the Regional Council. For the purposes of complying with Hazardous Substances (Disposal) Regulations (2001) this SDS must be made available within 10 minutes to any person using the product.

Small Spill: Sweep up and place in secure containers for disposal. If spill area is near trees or valuable plants remove the top 50 mm soil after product retrieval.

Large Spill: Wear protective clothing and equipment (see Section 8). Stop further release of spilled material. Sweep up and place in secure containers for disposal. If spill area is near trees or valuable plants remove the top 50 mm soil after product retrieval. If further information is required, telephone Grosafe Chemicals Ltd. at (07) 579 0497.

SECTION 7: Handling and Storage

Handling

Avoid contact with eyes and skin. Keep away from food, drink and animal feedstuffs. After work, remove protective clothing, and wash hands before eating, smoking, drinking or using the toilet. Clean up spilled material immediately, and wash clothes, equipment and work area after use.

Storage

Keep out of reach of children and animals. Store in tightly closed original containers in a cool, dry, well-ventilated area, out of direct sunlight. Do not store with food, feedstuffs, fertilisers and seeds.

This substance is subject to a requirement for an emergency management response plan, secondary containment and signage, whenever it is held in quantities of 100 kg or more, either alone or in aggregate with other hazardous substances. See Hazardous Substances (Emergency Management) Regulations 25 to 42.

SECTION 8: Exposure Control/Personal Protection

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion: Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material, Wash thoroughly with soap and water after handling.

SECTION 8: Exposure Control/Personal Protection (cont.d)

Eye Contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

Inhalation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

SECTION 9: Physical and Chemical Properties

Appearance:	Brown granules
Odour	No odour
Bulk density:	ca. 0.53 @ 25 °C
Solubility in water:	Dispersible
Corrosiveness:	Not corrosive
Flammability /combustibility:	Not flammable

See also Section 5 and 10

SECTION 10: Stability and Reactivity

Chemical Stability:	Stable under normal storage conditions
Materials to avoid:	None especially.
Hazardous Decomposition Products:	If product is involved in a fire, carbon dioxide, carbon monoxide, may be formed.
Hazardous polymerisation:	Not known to occur

SECTION 11: Toxicological Information

Health effects: See symptoms of Exposure in Section 4

Acute Effects

Eye Irritation (rabbit): Mild to moderate corneal irritation in unwashed eye and mild conjunctiva irritation in washed eyes. All effects reversed in days.

Skin Slightly to moderately toxic by contact. Not a primary skin irritant, or sensitiser.

Inhaled May irritate throat.

Swallowed Very low toxicity by ingestion.

Other Health Effects No data is available to confidently predict the effects of overexposure to humans, however based on animal studies, overexposure by inhalation, ingestion or skin or eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision; or irritation of the upper respiratory passages. Repeated dermal exposure may lead to skin irritation with discomfort or rash.

Chronic Effects: No oncogenic effects observed in 18-month mouse and 2 year rat feeding studies. Slightly decreased parental body weight at 5,000 ppm. No effect on rat reproduction or lactation at any dose tested (highest dose tested 5,000 ppm). Non-mutagenic in the Ames bacterial assay, Chinese Hamster Ovary Cell assay, or DNA rat liver repair assay: positive in the in vitro Chinese Hamster Ovary Cell cytogenetic assay but negative in the in vitro rat bone marrow cytogenetic assay. Not teratogenic or embryo-foetal toxic in rats (highest dose tested 1,000 mg/kg) in rabbits (highest dose tested 700 mg/kg).

Toxicity Data (active ingredient):	Acute Oral LD ₅₀ (rat): > 5,000 mg/kg
	Acute Dermal LD ₅₀ (rabbit): > 2,000 mg/kg
	Inhalation LC ₅₀ (rat): > 5 mg / L air

SECTION 12: Environmental Information

ECOTOXICITY

LC50 (96 hrs) : for rainbow trout and bluegill sunfish > 150 ppm
Oral LD50: Mallard Duck: > 2,510 mg / kg.
Oral LD50: Bobwhite Quail: > 5,620 mg / kg.
Pseudokirchneriella subcapitata { Alga } - ECb50 : 0.045 mg/l – [72 hr exposure]

SECTION 13: Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to regional or local body bylaws.

SECTION 14: Transport Information

Not scheduled as Dangerous Goods for Transport Purposes

UN Number: None Allocated
UN Shipping Name: None Allocated
UN Classification: None Allocated
UN Packing Group: None Allocated
Hazchem Code: 2 Z

SECTION 15: Regulatory Information

REPLY 600 is a registered product under the ACVM Act 1997 (P 8544).
See www.nzfsa.govt.nz/acvm/ for registration conditions
REPLY 600 is approved under the HSNO Act 1996 (HSR 000242).

See www.epa.govt.nz for approval conditions

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. No warranty, express or implied is made since we cannot anticipate or control the conditions under which the product may be used.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact **Grosafe Chemicals Ltd.**