



# Grosafe Chemicals Limited

## SAFETY DATA SHEET PRICKLE WEEDKILLER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

#### 1.1 Identifiers

Product name: **PRICKLE WEEDKILLER**

Other Name(s): Selective Herbicide containing bentazone

#### 1.2 Recommended use of the chemical and restrictions on use

Product Use: Selective Herbicide to control onehunga weed and other broadleaf lawn weeds including thistles, plantains, daisies, cape daisy and pennygrass.

#### 1.3 Supplier contact details:

Company name: Grosafe Chemicals Limited  
Address: 20 Jean Batten Drive Mt Maunganui, 3116  
Telephone: 0800 220 002  
Email: [info@grosafe.co.nz](mailto:info@grosafe.co.nz)

**EMERGENCY PHONE NUMBER: 0800 CHEMCALL (0800 243 622)**

### SECTION 2: HAZARD IDENTIFICATION

#### 2.1 Classification of the Hazardous Chemical

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996 and the Hazardous Substances (Hazard Classification) Notice 2020.

HSNO Substance Approval: HSR000425

Classifications: Serious Eye Damage / Irritation Category 2; Skin Sensitisation Category 1; Hazardous to Terrestrial Environment – designed for biocidal action.

#### 2.2 Label elements:

##### Pictograms:



**Signal Word: WARNING**

##### Hazard statements:

H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation

**Additional labelling statements required under Hazardous Substances (Labelling) Notice 2017 (EPA Consolidation 30 April 2021)**

Keep out of reach of children.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply directly into or onto waterways.

**Precautionary statements:***Prevention*

P103	Read label before use.
P261	Avoid breathing mist/vapours or spray
P264	Wash exposed parts of the body thoroughly after handling
P272	Contaminated clothing should not be allowed out of the workplace
P280	Wear protective clothing

*Response*

P302 + P352	If ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
P321	Specific treatment, - wash with plenty of water.
P333 + P313	If skin irritation or rash occurs. Get medical advice /attention
P337+ P313	If eye irritation persists: Get medical advice / attention
P363	Wash contaminated clothing before reuse.

*Storage**Disposal*

P501	Dispose of contents/container in accordance with local regulations.
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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS	Proportion % w/w
Bentazone	25057-89-0	<10.0%
Butylated hydroxyanisole	25013-16-5	<10.0%
Other ingredients	Proprietary	balance

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures****General Information:**

For advice contact 0800 CHEMCALL (0800 243622). Have label or Safety Data Sheet at hand.

**Ingestion:** If swallowed, rinse mouth with water. Do not induce vomiting. Call the NATIONAL POISONS CENTRE or doctor for advice if concerned or person feels unwell.

**Skin Contact:** Remove contaminated clothing and wash skin with plenty of soap and water. Get medical advice if irritation persists.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if irritation persists.

**Inhalation:** Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor for advice if concerned or person feels unwell.

#### **4.2 Symptoms caused by exposure**

Treat symptomatically

#### **4.3 Medical attention and special treatment**

Treat symptomatically.

### **SECTION 5: FIRE FIGHTING MEASURES**

#### **5.1 Suitable extinguishing media**

Use water spray or fog, foam, CO<sub>2</sub> or dry chemical as appropriate for surrounding materials. Contain extinguishing media to prevent runoff into drains, sewers, waterways.

Addition of water may cause excessive foaming.

#### **5.2 Specific hazards arising from the chemical**

Fire decomposition products may be toxic/harmful and/or irritating if inhaled.

Vapours may be toxic – use of self-contained breathing apparatus may be required.

Evacuate people to safe area upwind of fire.

#### **5.3 Special protective equipment and precautions for fire fighters**

Wear full personal protective equipment including with self-contained breathing apparatus (SCBA).

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Have this SDS available. In the event of a spill, wear appropriate protective clothing and eye/hand protection. Wash contaminated personal protective equipment and clothing and dry before re-use.

Spills may be slippery and should be cleaned up immediately.

#### **6.2 Environmental precautions**

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

#### **6.3 Methods and materials for containment and cleaning up**

Contain spilled material. For small spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large spills, recover into labelled containers then absorb remaining gel and transfer to drums for disposal. Clean area with water and detergent.

Dispose of contaminated materials to approved landfill in accordance with local regulations.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

Read the label before use.

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area

When applying product avoid inhalation of vapours. Wear protective equipment.

Wash hands and exposed skin with soap and water after handling and before rest or meal breaks.

Do not eat, drink or smoke when using.

Keep containers away from foodstuffs, seeds, fertilisers and other pesticides.

#### **7.2 Conditions for safe storage**

Store securely in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area and out of direct sunlight. Keep away from sources of heat, food, drink and animal

feedstuffs.

Storage of 1000 L or more of this product requires an emergency response plan, secondary containment and signage.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters – exposure standards, biological monitoring

(Worksafe New Zealand – Workplace exposure standards and biological exposure indices – Edition 13, April 2022)

Ingredient	WES-TWA	WES-STEL	WES Ceiling
Sodium hydroxide			2mg/m3

### 8.2 Engineering controls

Recommended to use in well-ventilated area or outdoors.

### 8.3 Personal protective equipment (PPE)

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**,

Occupational Protective Clothing: **AS/NZS 4501**,

Industrial Eye Protection: **AS1336** and **AS/NZS 1337**,

Occupational Protective Footwear: **AS/NZS2210**.

**Eye/Face Protection:** Wear chemical splash goggles if eye contact with product is possible.

**Skin Protection:** Wear impervious chemical resistant gloves (e.g. nitrile, butyl), coveralls, socks and chemical resistant footwear. Ensure all skin areas are covered.

**Respirator:** Use outdoors in well-ventilated area or use local exhaust ventilation

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid (clear)
Odour	Sweet odour
Odour threshold	Not known
pH	6.5 – 9.5
Melting/Freezing Point	No data available
Boiling Point /Range	No data available
Flash point	>90°C
Flammability (solid, gas)	Not applicable
Vapour Pressure	0.17 mPa
Vapour density	No data available
Specific gravity/bulk density	1.19 g/ml (approx.)
Solubility	Soluble in water
Partition Co-efficient n-octanol/water	K <sub>ow</sub> (0.77 pH5; -0.46 pH7; -0.55 pH9)
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

This product is unlikely to react or decompose under normal storage conditions.

### 10.2 Chemical stability

Stable under normal temperatures and pressure for storage and use.

### 10.3 Conditions to Avoid

Avoid storage in direct sunlight, exposure to heat or contact with incompatible materials.

### 10.4 Incompatible materials and possible hazardous reactions

Strong acids, strong alkalis and oxidising agents such as chlorine compounds etc.

### 10.5 Hazardous decomposition products

**Fire Decomposition:** Smoke, carbon oxides and other unspecified compounds.

### 10.6 Polymerisation

Not known to occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on product.

### 11.2 Toxicological information

Acute oral toxicity:	Not classified.
Acute dermal toxicity:	Not classified.
Acute inhalation toxicity:	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Classified as an eye irritant (Serious eye damage / irritation Category 2)
Respiratory or skin sensitisation	Classified as a skin sensitiser Category 1
Germ cell mutagenicity:	No ingredients identified as presumed mutagens.
Carcinogenicity	No ingredients identified as presumed mutagens
Reproductive toxicity	No ingredients identified / suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single/repeated exposure	Not classified. for adverse effects to organs or systems from repeated exposure
Narcotic effects	No ingredient identified as causing narcotic effects.

### 11.3 Toxicological data:

Bentazone (CCID)	Acute oral LD <sub>50</sub> 400mg/kg mouse; Acute dermal LD <sub>50</sub> 2500mg/kg rat
Butylated hydroxyanisole (CCID)	Acute oral LD <sub>50</sub> 2000mg/kg mouse

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

This product is classified as ecotoxic - hazardous to terrestrial environment.

### 12.2 Environmental Fate

Bentazone is not likely to be persistent in soil systems but may be persistent in water under certain conditions.

### 12.3 Ecotoxicity data:

Bentazone (CCID)	EC <sub>50</sub> (72hr) 47.3mg/L in algae. Bioaccumulative but not biodegradable. Hazardous to terrestrial vertebrates
Butylated hydroxyanisole (CCID)	Acute & Chronic aquatic toxicity LC <sub>50</sub> (48hr) 1000ug/L . Not bioaccumulative

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Product Disposal

Dispose of to an approved landfill or waste management facility in accordance with local regulations.

### 13.2 Container Disposal

Empty packaging should be disposed of to an approved (pesticide) recycler or crushed and sent to approved landfill. Do not use packaging for storage of other products

## SECTION 14: TRANSPORT INFORMATION

### Road and Rail Transport:

Not classified as dangerous goods by the criteria of NZS 5433:2012: Transport of Dangerous Goods on Land.

### Marine Transport (IMO/IMDG):

Not classified as dangerous goods under the IMDG Code, 2020 Edition (inc. Amendment 40-20) 1 June 2022.

### Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

## SECTION 15: REGULATORY INFORMATION

### 15.1 Hazardous Substances and New Organisms (HSNO) Act 1996

Classified as a hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

Approved Hazardous Substance Number: HSR000425: Soluble concentrate containing 72g/litre bentazone

### 15.2 ACVM Act 1997

The product is exempt from registration under ACVM Regulations. Refer to <https://www.mpi.govt.nz/agriculture/agricultural-compounds-vet-medicines>

### 15.3 NZ Health and Safety at Work (Hazardous Substances) Regulations 2017

([www.worksafe.govt.nz](http://www.worksafe.govt.nz))

Certified Handler – not required

Quantity to be secured when left unattended – no limit

Location compliance certificate – not required

Emergency Management – fire extinguishers – not required

Emergency Management – signage – not required

Emergency Management - secondary containment and emergency response plan threshold quantity – (>1000L or 1000kg) – 6.5B

Tracking hazardous substances – not required

### 15.4 Additional Controls

The substance must not be applied onto or into waterways

Do not apply on or around food or animal feed crops or areas to be grazed by animals

## SECTION 16: OTHER INFORMATION

### 16.1 Date of preparation or last revision of SDS

<b>SDS issued</b>	30 June 2022
<b>Version</b>	2
<b>SDS supersedes</b>	14 January 2017
<b>Reason issued</b>	Update of SDS format and product information (NZ-GHS)

### 16.2 Abbreviations

<b>ADI</b>	Acceptable Daily Intakes
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>CCID</b>	Chemical Classification Identification Database
<b>EPA</b>	Environmental Protection Authority
<b>EC<sub>50</sub></b>	Half maximal Effective Concentration
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>HSNO</b>	Hazardous Substances and New Organisms
<b>HS</b>	Health and Safety
<b>HSR</b>	Hazardous Substances Register
<b>IARC</b>	International Agency for Research on Cancer
<b>LC<sub>50</sub></b>	Median Lethal Concentration
<b>LD<sub>50</sub></b>	Median Lethal Dose
<b>SDS</b>	Safety Data Sheet
<b>NOAEL</b>	No Observable Adverse Effect Level
<b>NOEL</b>	No Observable Effect Level
<b>NOS</b>	Not otherwise specified
<b>STEL</b>	Short Term Exposure Limit
<b>SWA</b>	Safety Work Australia
<b>TWA</b>	Time-Weighted Average

**UN Number**      United Nations Number  
**WES**              Workplace Exposure Standard

### **16.3 References**

ADR – ADRBOOK Dangerous Goods by Road  
Ministry of Transport – October 2008.  
NZ EPA CCID and Approved Substance databases  
PPDB- Pesticides Properties Database  
ECHA – European Chemical Agency  
IMDG – The international Maritime Dangerous Goods Code  
IATA Dangerous Goods Regulations (DGR)  
PUBCHEM - maintained by the National Centre for Biotechnology Information, a component of the National Library of Medicine, which is part of the United States National Institutes of Health  
WORKSAFE - New Zealand's primary workplace health and safety regulator  
HSWA – Health & Safety at Work Act 2015

### **16.4 OTHER**

Information contained in this Safety Data Sheet is provided in good faith and is believed to be correct at the date hereof. However, it's expected that individuals receiving the information will exercise independent judgement in determining its appropriateness for a particular purpose. Grosafe Chemicals Ltd makes no representation whatsoever as to the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability whatsoever, whether with respect to negligence or otherwise, and no responsibility as permitted by law for any loss or damage arising from or connection with the supply or use of the information in this Safety Data Sheet.

End of Safety Data Sheet