

## SAFETY DATA SHEET

# FORCE® ULTRA

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

#### 1.1 Identifiers

Product name: **Force® Ultra**

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

Product Use: Agricultural/horticultural surfactant additive for spray mixtures

#### 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 telephone number (24 hours)** 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  
HSNO Substance Approval: HSR002503  
Classifications: Acute inhalation toxicity Category 4, Serious eye damage Category 1, Hazardous to the aquatic environment chronic Category 2.

#### 2.2 Label elements:

##### Pictograms:



**Signal Word:** DANGER

##### Hazard statements:

H319 Causes serious eye damage.  
H332 Harmful if inhaled.  
H411 Toxic to aquatic life with long lasting effects.

**Additional labelling statements required under Hazardous Substances (Labelling) Notice 2020**

##### Precautionary statements:



#### Prevention

- P102 Keep out of reach of children.  
 P103 Read label before use.  
 P261 Avoid breathing mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear eye protection/face protection.

#### Response

- P101 If medical advice is needed, have product container or label at hand.  
 P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P312 Call a POISON CENTRE or doctor/physician if you feel unwell.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTRE or doctor.  
 P391 Collect spillage.

#### Storage

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#### Disposal

- P501 Dispose of contents/container in accordance with local regulations.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion % w/w
Polyalkyleneoxide Modified Heptamethyltrisiloxane	134180-76-0	90-95%
2-Propanol	67-63-0	5-10%

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General Information:

For advice call the National Poison Centre, telephone 0800 POISON [0800 764 766].  
 Have product container or label at hand.

**Ingestion:** If swallowed, rinse mouth with water. Call a POISON CENTRE or doctor for advice if you feel unwell.

**Skin Contact:** Wash skin with plenty of soap and water. If skin irritation occurs get medical advice.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY call a POISON CENTRE or doctor.

**Inhalation:** Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

#### 4.2 Symptoms caused by exposure

Unlikely to cause harmful effects under normal conditions of handling and use.

#### 4.3 Medical attention and special treatment

Treat symptomatically.



**SECTION 5: FIRE FIGHTING MEASURES**

**5.1 Suitable extinguishing media**

Use water spray or fog, alcohol-resistant foam, CO2 or dry chemical as appropriate for surrounding materials. Do not use a full water jet. Contain extinguishing media to prevent runoff into drains, sewers, waterways.

**5.2 Specific hazards arising from the chemical**

Fire decomposition products may be toxic/harmful and/or irritating if inhaled. 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). Contain run-off to prevent run-off to sewers and waterways.

**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.

**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 liquid spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid 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. Use only outdoors or in well-ventilated area.

When mixing product avoid inhalation of mist/vapours/spray. Wear protective equipment such as coat/trouser (overalls), boots, gloves and eye protection.

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.

**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**

Ingredient	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
2-Propanol	400 ppm 983 mg/m <sup>3</sup>	500 ppm 1230 mg/m <sup>3</sup>



## 8.2 Engineering controls

Use only outdoors or in a well-ventilated area.

## 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 resistant eye protection/face protection.

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

**Respirator:** Use only outdoors or in well-ventilated area. Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a cartridge, suitable for particulates.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow liquid
Odour	Ether
Odour threshold	Not known
pH	6.0~8.0
Melting/Freezing Point	No data
Boiling Point /Range	No data
Flash point	~118 °C
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour Pressure	No data
Vapour density	No data
Specific gravity/bulk density	~1.02
Solubility	Soluble in water
Partition Co-efficient n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	19.6 mm/s (40°C)
Particle characteristics	No data

## 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 or exposure to heat.

### 10.4 Incompatible materials and possible hazardous reactions

Incompatible with explosives, oxidising agents, and organic peroxides.

### 10.5 Hazardous decomposition products



**Fire Decomposition:** Smoke, carbon and silicon 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 toxicity:	Classified as harmful if inhaled.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity:	No ingredients in product identified as presumed or suspected mutagens.
Carcinogenicity	No ingredients in product identified as presumed or suspected carcinogens.
Reproductive toxicity	No ingredients in product identified suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single/repeated exposure	No ingredients identified for specific target organ toxicity.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.
Aspiration Hazard	Not classified

**11.3 Toxicological data:**

Inhalation, LC50 4 hr 1.5 mg/L in air (mist – calculated from point estimate)

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

This product is classified as toxic to aquatic life with long lasting effects.

**12.2 Environmental Fate**

**Breakdown in soil and groundwater:** No data

**Bioaccumulation:** No data

**Partition coefficient (octanol/water):** No data

**Soil mobility:** No data

**12.3 Ecotoxicity data:**

No data

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Product Disposal**

Refer to product label. If possible, dispose of by using according to the label. Otherwise dispose of to an approved landfill in accordance with local regulations.

**13.2 Container Disposal**

Refer to product label. Do not use packaging for storage of other products. Empty packaging should be disposed of to an approved recycler or crushed and sent to approved landfill.



## SECTION 14: TRANSPORT INFORMATION

### Road and Rail Transport:

Classified as Dangerous Good Class 9 according to NZS5433 Transport of Dangerous Goods on Land

### Marine Transport (IMO/IMDG):

Classified as Dangerous Good Class 9 by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Air Transport (ICAO/IATA):

Classified as Dangerous Good Class 9 by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

<b>UN Number:</b>	3082
<b>UN Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYALKYLENEOXIDE MODIFIED HEPTAMETHYLTRISILOXANE 90-95%)
<b>Transport hazard class(es)</b>	9
<b>Packing Group:</b>	III
<b>HAZCHEM:</b>	3Z
<b>Special Precautions for User:</b>	-
<b>IMDG Marine pollutant:</b>	YES
<b>Transport in Bulk:</b>	Not available

## SECTION 15: REGULATORY INFORMATION

### 15.1 HSNO Act 1996

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

**Approval number:** HSR002503. Refer to controls on [www.epa.govt.nz](http://www.epa.govt.nz) for complete wording for variation Controls.

<b>Tolerable exposure limits:</b>	No TEL set
<b>Environmental exposure limits:</b>	No EEL set
<b>International agreements:</b>	Not applicable
<b><u>HSW (HS) Regulations 2017</u></b>	Refer to HS Notices ( <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> ) and HSW HS Regulations ( <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a> )
<b>Certified Handler certificate:</b>	Not applicable
<b>Location Certificate:</b>	Not applicable
<b>Signage trigger quantity (Schedule 3):</b>	1000 L
<b>Emergency Response Plan trigger quantity (Schedule 5):</b>	1000 L
<b>Secondary Containment trigger quantity (Schedule 16):</b>	1000 L
<b>Tracking (Schedule 26):</b>	Not applicable
<b>Record Keeping:</b>	A record of application records is required in certain circumstances. Refer to section 48 of Hazardous Substances (Hazardous Property Controls) Notice 2017
<b>Workplace exposure limits:</b>	Not applicable
<b><u>ACVM Act 1997</u></b>	Exempt from registration



## SECTION 16: OTHER INFORMATION

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

<b>SDS issued</b>	21 August 2023
<b>SDS supersedes</b>	N/A
<b>Reason issued</b>	New product

### 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>ErC<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 Sheets
<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
<b>UN Number</b>	United Nations Number

### 16.3 REFERENCES

ECHA - The European Chemicals Agency  
 EPA CCID and Approved Substance databases  
 PPDB- Pesticides Properties DataBase

### 16.4 OTHER

FORCE is a tradename of Grosafe Chemicals Ltd

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End of Safety Data Sheet