

# Material Safety Data Sheet

**Mentholatum**  
A U S T R A L A S I A

## NON-Hazardous Substance, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Stop N Grow**

Synonyms:

Recommended use: Nail biting deterrent.

Supplier: Mentholatum Australasia Pty Ltd

ABN: 62 005 414 488

Street Address: 12 – 16 Janine Street  
Scoresby Victoria 3179  
Australia

Telephone: +613 9763-0322

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Emergency telephone number: **+613 9763-0322 (8am – 5pm EST, Monday to Friday)**

### 2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of NOHSC Australia.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

Class: 3 Flammable Liquid

Poisons Schedule (Aust): Not applicable

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Ethanol	64-17-5	>60%
Non hazardous ingredients	-	10-30%
Bitrex	3734-33-6	<1%
		----- 100%

### 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.

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**Skin contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** If in eyes wash out immediately with water. Seek medical attention.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Specific hazards:** Highly flammable liquid. May form flammable vapour mixtures with air. Avoid all ignition sources. Vapour may travel a considerable distance to source of ignition and flash back.

**Fire fighting further advice:** Highly flammable liquid. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

**Hazchem Code:** 2[Y]E

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

### LARGE SPILLS

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

**Dangerous Goods – Initial Emergency Response Guide No:** 14

## 7. HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact and inhalation of vapour.

**Storage:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Dangerous Good Class 3 Flammable Liquid as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

However for:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Ethyl alcohol	1000	1880	-	-	-	-

As published by the National Occupational Health & Safety Commission (NOHSC Australia).

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES (Short) Avoid eye and skin contact. Wear overalls, chemical goggles and impervious gloves when handling large quantities. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Clear, colourless liquid with an alcohol odour.

<b>Solubility:</b>	Miscible in water.
<b>Specific Gravity (20 °C):</b>	0.79
<b>Relative Vapour Density (air=1):</b>	>1*
<b>Vapour Pressure (20 °C):</b>	5.7 Kpa*
<b>Flash Point (°C):</b>	13*
<b>Flammability Limits (%):</b>	3.3-19%
<b>Autoignition Temperature (°C):</b>	365*
<b>% Volatile by Volume:</b>	>90
<b>Melting Point/Range (°C):</b>	N Av
<b>Boiling Point/Range (°C):</b>	78*
<b>pH:</b>	N Av

\*Values for ethanol

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is stable when stored and used as directed.

**Conditions to avoid:** No information available.

**Incompatible Materials:** Incompatible with oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen and other toxic fumes.

**Hazardous reactions:** No information available.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Vapour may be irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness, fatigue and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and, if exposure is prolonged, unconsciousness.

**Skin contact:** Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Eye contact:** A moderate eye irritant.

**Ingestion:** Swallowing can result nausea, vomiting, dizziness, fatigue and headache. Swallowing large amounts can result in central nervous system depression. If the victim is uncoordinated there is a greater likelihood of vomit entering the lungs and causing subsequent complications.

**Long Term Effects:** Evidence from animal tests and studies on exposed humans indicate that repeated or prolonged exposure to this chemical by inhalation or ingestion could result in liver damage.

### Acute toxicity / Chronic toxicity

No LD50 data available for product, however for a major component ethanol;

Oral LD50 (rat): 7060 mg/kg.

Inhalation LC50 (rat): 20,000 ppm/10hr.

Estimated fatal dose (human): 300-400 ml of pure ethanol.

EYES (rabbit): Moderate irritant.

SKIN (rabbit): Mild irritant.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

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**Ecotoxicity:**

For Ethanol;

Ethanol has a low potential for bioaccumulation.

LC50 (rainbow trout)(24 hr)(flow through): 11,200 mg/L.

LC0 (bluegill sunfish)(96hr)(static): >13,500 mg/L.

n-Octanol/Water Partition Coefficient: -0.3

**Persistence and degradability:**

For Ethanol;

Is substantially biodegradable in water.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Advise flammable nature. Normally suitable for incineration by approved agent.

## 14. TRANSPORT INFORMATION

**ROAD AND RAIL TRANSPORT**

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

**UN No:** 1170  
**Dangerous Goods Class:** 3  
**Packing Group:** II  
**Hazchem Code:** 2[Y]E  
**Emergency Response Guide No:** 14

**Proper Shipping Name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

**MARINE TRANSPORT**

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

**UN No:** 1170  
**Dangerous Goods Class:** 3  
**Packing Group:** II

**Proper Shipping Name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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## AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)  
Dangerous Goods Regulations for transport by air.

**UN No:** 1170  
**Dangerous Goods Class:** 3  
**Packing Group:** II

**Proper Shipping Name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

## 15. REGULATORY INFORMATION

**Poisons Schedule (Aust):** Not applicable

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

### Literary reference

This Material Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd on behalf of its client.

For further information about this product;

Contact: Mentholatum Australasia Pty Ltd

Telephone +613 9763 0322  
Facsimile +613 9763 2699

Reason(s) For Issue: >5 year revision  
Format change

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS 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. Since Mentholatum Australasia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.