



# Safety Data Sheet

## 1. SUBSTANCE IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

**Product Name:** HY.SOLVE  
**Supplier:** HY.GIENE Australia Pty Ltd  
**Street Address:** 11 / 18-20 Edward street  
OAKLEIGH 3166  
Australia  
**Telephone:** +61 3 9729 3946  
**Emergency Telephone Number:** 1800 616 930

## 2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the criteria of ASCC

### GHS classification:

Acute toxicity (oral), Category 4, **H302**  
Serious eye damage/Eye irritation, Category 1, **H318**



**Signal word:** CAUTION

**Hazard Category**  
**Xi** Irritant

### Hazard statements:

**H302:** Harmful if swallowed.  
**H318:** Causes serious eye damage.  
**H401** Toxic to aquatic life

### Precautionary statements:

**P270:** Do not eat, drink or smoke when using this product.  
**P280:** Wear protective gloves/protective clothing/eye protection/face protection.  
**P301 + P312: IF SWALLOWED:** Call a POISON CENTER/doctor/ 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.

**R-phrases(s):**  
**R22:** Harmful if swallowed

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**R36** Irritating to eyes  
**R43** May cause sensitisation by skin contact  
**R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**S-phrases(s):**

**S24** Avoid contact with skin  
**S25** Avoid contact with eyes  
**S29** Do not empty into drains  
**S26:** In case of contact with eyes rinse immediately with plenty of water and seek medical attention.  
**S37/39:** Wear suitable gloves and eye / face protection

Not classified as dangerous goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

**Poison Schedule (Aust) / Toxic Substance (NZ):** None allocated

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Description:** Laundry Emulsifier.

Chemicals	CAS No.	Proportion
Ethyoxylated alcohol	68439-46-3	<30%
Solvent blend	-	<35%
Non-hazardous component(s)	-	>45%

### 4. FIRST AID MEASURES

**Swallowed:** DO NOT INDUCE VOMITING (to avoid aspiration). Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical assistance.

**Inhalation:** Remove victim from area of exposure – avoid becoming a casualty. Keep at rest until fully recovered.

**Skin contact:** If skin contact occurs, remove contaminated clothing and wash skin. If irritation occurs seek medical advice.

**Eye contact:** If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Ingestion:** Rinse mouth with water. If swallowed, DO NOT induce vomiting. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Specific Hazards:** Contains Flammable material in diluted form. May form flammable vapour mixtures with air. On burning will emit toxic fumes.

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**Suitable Extinguishing Media:** If material is involved in a fire wear self-contained breathing apparatus and use - Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

**Special Fire Fighting Instructions:** Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Slippery when spilt. Avoid accidents, clean up immediately. Wipe up with rag or absorbent paper.

**Large Spills:** Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Contain – prevent runoff into drains and waterways. Use absorbent (soil, sand or other inert materials). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

## 7. HANDLING AND STORAGE

**Handling advice:** Avoid skin and eye contact.

**Storage advice:** Store between 5°C and 30°C. Protect from frost and direct sunlight. Keep containers closed when not in use - check regularly for leaks.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission.

**Engineering Control Measures:** Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use.

**Personal protective equipment:** OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, NEOPRENE GLOVES(SHORT).

*Wear overalls, chemical goggles and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet.*

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear, colourless.
<b>Odour:</b>	Sweet
<b>Solubility:</b>	Soluble in water.
<b>Specific Gravity:</b>	approx. 1
<b>Flash Point (°C):</b>	> 100
<b>Boiling Point/Range (°C):</b>	100
<b>pH:</b>	6 - 8

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.

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Avoid strong oxidising agents. Strong acids and alkalis  
Forms oxides of carbon on decomposition

## 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 that may arise if the product is mishandled are:

<b>Ingestion:</b>	Harmful if swallowed. May cause irritation of the gastrointestinal tract
<b>Eye contact:</b>	Irritant. Risk of serious damage to eyes
<b>Skin contact:</b>	Irritant
<b>Inhalation:</b>	Breathing in mists or aerosols may produce respiratory irritation.
<b>Long term effects:</b>	No information available for product
<b>Toxicological Data:</b>	No LD50 data available for the product. However, the individual component data are:

Component	LD50 Oral (mg/kg)	LD50 Dermal (mg/kg)	LC50 Inhalation (mg/m <sup>3</sup> )
Ethoxylated alcohol	1000 (rat)	>4000 (Rat)	>1600 (Rat)
Orange Terpenes	4,400 -5,300 (Rat)	>5000 (Rabbit)	-

## 12. ECOTOXICOLOGICAL INFORMATION

No LC50 data available on this product

Poses a significant risk of Oxygen depletion in aquatic systems.

Readily biodegradable – based on the test results of individual components

### Aquatic toxicity:

Ethoxylated alcohol	Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 14.63 mg/l Exposure time: 96 h Test Type: semi-static test Test substance: Fresh water
	Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 5.64 mg/l Exposure time: 48 h Test Type: static test Test substance: Fresh water
	Toxicity to algae	-
	Toxicity to bacteria	-
Orange Terpenes	Toxicity to fish	96hr LC50 (fathead minnow) 0.688 - 0.702
	Toxicity to daphnia and other aquatic invertebrates	48hr LC50 (Daphnia magna) 0.577 -
	Toxicity to algae	-

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	Toxicity to bacteria	-
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## 13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Waste should be disposed of via licensed waste disposal contractor.

## 14. TRANSPORT INFORMATION

**Road and Rail Transport:** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

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

## 15. REGULATORY INFORMATION

**Classification:** This material is hazardous according to criteria of ASCC.

Signal word: **CAUTION**

**Hazard Category**  
**Xi** **Irritant**

**Poisons Schedule:** None allocated.

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

## 16. OTHER INFORMATION

This Material Safety Data sheet has been prepared by HY.GIENE Australia Pty Ltd

This MSDS summarises at the date of issue our best knowledge of the health and safety information of the product, and how to safely handle and use the product in the workplace. As each workplace is different each user must, prior to use, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

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