

SECTION 1. Identification of the Material and Supplier**Product Identifier**

Product Code: Polysorbate 20
Name: Standard Room Spray Base

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Emulsifier

Supplier's Details

Company Name: Live In Spirit Pty Ltd
2 Dairy Drive, Coburg North, Victoria 3058, Australia.
Telephone Number: +61 3 9354 0735
E-mail Address: info@liveinspirit.com.au

Emergency Telephone Number

In Case of Emergency -For advice, contact a doctor or the Australian Poisons Information Centre: 131 126

SECTION 2. Hazards Identification**HAZARD IDENTIFICATION & CLASSIFICATION**

ADG Code: Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).

ASCC Hazard Classification: Not Hazardous according to the criteria of ASCC [NOHSC:1008(2004)]

Categories:

Risk Phrases:

HSNO Hazard Classification:

Poisons Schedule (Aust): No Data Available

SECTION 3: Composition/Information on Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivatives	No Data Available	9005-64-5	100.0 %

SECTION 4: First Aid Measures

Description of First Aid Measures

Ingestion:	Not expected to require first aid. If large amounts are swallowed, get medical advice If swallowed, DO NOT INDUCE VOMITING. Give victim a glass of water or milk.
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes, holding lids open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact:	Contact a physician if irritation persists. Immediately flush skin with plenty of water. Remove clothing. Wash clothes separately before re-use.
Inhalation:	No damage to health expected, avoid inhalation.
Chronic Exposure:	No information available on medical conditions which are aggravated from exposure
Acute Or Delayed Symptoms:	No information available on the product itself

SECTION 5: Fire Fighting Measures

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	Product is a combustible liquid.
Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use water spray to cool unopened containers. Do NOT use high volume water jet. Do NOT use a solid water stream as it may scatter and spread fire.
Hazardous Products of Combustion	No Data Available
Special Fire Fighting Instructions	Do NOT allow fire fighting water to reach waterways, drains or sewers.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.
Flash Point	290 °C Closed Cup
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

SECTION 6: Accidental Release Measures

General Response Procedure	Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.
Clean Up Procedures	Soak up spilled product using absorbent non-combustible material such as sand or soil. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Stop leak if safe to do so.
Containment Environmental Precautionary Measures	Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
Evacuation Criteria	Evacuate all unnecessary personnel.

Personal Precautionary Measures

Personnel involved in the clean up should wear full protective clothing as listed in section 8.

SECTION 7: Handling and Storage
Handling

Ensure an eye bath and safety shower are available and ready for use.
 Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.
 Take precautionary measures against static discharges by bonding and grounding equipment.
 Avoid contact with eyes, skin and clothing.

Storage

Do not inhale product vapours.
 Store in a cool, dry, well-ventilated area.
 Keep containers tightly closed when not in use.
 Inspect regularly for deficiencies such as damage or leaks.
 Protect against physical damage.
 Store away from incompatible materials as listed in section 10.
 This product is classified as a 'C2' Combustible Liquid for the purpose of storage and handling in accordance with the requirements of AS1940.

Container

Store in original packaging as approved by manufacturer.

SECTION 8: Exposure Controls/Personal Protection
General

No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC).

Exposure Limits

No Data Available

Biological Limits

No information available on biological limit values for this product.

Engineering Measures

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.

Personal Protection Equipment

RESPIRATOR: No personal respiratory protective equipment normally required. However wear an approved respirator where vapours are generated and engineering controls are inadequate (AS1715/1716).
 EYES: Safety glasses with side shields (AS1336/1337).
 HANDS: Wear protective gloves (AS2161).
 CLOTHING: Long-sleeved impervious protective clothing and safety footwear (AS3765/2210).

Work Hygienic Practices

No Data Available

SECTION 9: Physical and Chemical Properties
Physical State

Liquid

Appearance

Liquid

Odour

No Data Available

Colour

Yellow

pH

5 - 7 aqueous solution

Vapour Pressure

No Data Available

Relative Vapour Density

No Data Available

Boiling/Melting Point

No Data Available

Solubility

No Data Available

Freezing Point

No Data Available

Specific Gravity

No Data Available

Flash Point

290 °C Closed Cup

Auto Ignition Temp

No Data Available

Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available

Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	Product is a liquid.
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

SECTION 10: Stability and Reactivity

General Information	Combustible liquid.
Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	No Data Available
Materials to Avoid	Strong oxidizing agents.
Hazardous Decomposition Products	No Data Available
Hazardous Polymerisation	No Data Available

SECTION 11: Toxicological Information

General Information	Acute oral toxicity: LD50 Rat Oral: > 38,900 mg/kg
Skin irritation:	Species: rabbit. Result: No skin irritation. Remarks: No skin irritation. Remarks: Patch test on human volunteers did not demonstrate irritating properties.
	Eye irritation: Species: rabbit. Result: No eye irritation. Remarks: No eye irritation.
	Respiratory or skin sensitization
	Sensitisation: Maximisation Test: Species: guinea pig. Result: Did not cause sensitization. Remarks: Did not cause sensitization.
	Remarks: Patch test on human volunteers did not demonstrate sensitization properties.
Carcinogen Category	0

SECTION 12: Ecological Information

Ecotoxicity	<p>Toxicity to fish: LC50: > 216 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)</p> <p>Toxicity to daphnia and other aquatic invertebrates: EC50 (calculated): > 100 mg/l Exposure time: 96 h Species: Daphnia magna (Water flea)</p> <p>Toxicity to bacteria: IC0: > 10,000 mg/l Species: Pseudomonas putida</p> <p>Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 10 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) semi-static test</p>
Persistence/Degradability	<p>Biodegradability: (OECD 301B) > 70 %</p> <p>Remarks: (OECD 301B) This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.</p>
Mobility	No Data Available
Environmental Fate	Do NOT let product reach waterways, drains and sewers.
Bioaccumulation Potential	No Data Available
Environmental Impact	No Data Available

SECTION 13: Disposal Considerations

General Information	<p>Dispose of in accordance with all local, state and federal regulations.</p> <p>All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.</p>
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice.

SECTION 14: Transport Information

ADG Code Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).

Air		
	IATA	
	Proper Shipping Name	Polysorbate 20
	Class	No Data Available
	Subsidiary Risk(s)	No Data Available
	UN Number	No Data Available
	Hazchem	No Data Available
	Pack Group	No Data Available
	Special Provision	No Data Available
	Land	
	Australia:	ADG Code
	Proper Shipping Name	Polysorbate 20
	Class	C2 Combustible Liquids - Flash point > 150 °C
	Subsidiary Risk(s)	No Data Available
	EPG	No Data Available
	UN Number	No Data Available
	Hazchem	No Data Available
	Pack Group	No Data Available
	Special Provision	No Data Available
	New Zealand:	NZS5433
	Proper Shipping Name	Polysorbate 20
	Class	No Data Available
	Subsidiary Risk(s)	No Data Available
	EPG	No Data Available
	UN Number	No Data Available

Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

United States of America: US DOT

Proper Shipping Name	Polysorbate 20
Class	No Data Available
Subsidiary Risk(s)	No Data Available
EPG	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Sea
IMDG

Proper Shipping Name	Polysorbate 20
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No

SECTION 15: Regulatory Information

General Information No Data Available

EPA (New Zealand)

Hazardous Substances and New Organisms Act (HSNO)

Not hazardous according to the HSNO (Minimum degrees of hazard) Regulations 2001

Poisons Schedule (Aust) No Data Available

AICS Name Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivatives

SECTION 16: Other Information

Key/Legend

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square Centimetres

CO₂ Carbon Dioxide

COD Chemical Oxygen Demand

deg C (°C) Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Fahrenheit

g Grams

g/cm³ Grams per Cubic Centimetre

g/l Grams per Litre

HSNO Hazardous Substance and New Organism

IDLH Immediately Dangerous to Life and Health

immiscible Liquids are insoluble in each other.

inHg Inch of Mercury
inH₂O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD₅₀ LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L Litre
m³ Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH₂O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Health and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
torr Millimetre of Mercury
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight

Further Information

The above mentioned statements are based on our knowledge and information at the date stated on this Safety Data Sheet. The Safety Data Sheet is intended to provide information for a health and safety assessment of the material. This document is not intended for quality assurance purposes. This document is electronically generated and therefore it is not signed.