



SAFETY DATA SHEET

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: Spotless Economy Rinse Aid

Other Means of Identification: Mixture

Other Name: Rinse Aid

Recommended Use of the Chemical and Restriction on Use:

Rinse aid for automatic dishwashing machines.

Details of Manufacturer or Importer:

BRACTON CHEMICALS™ – A DIVISION OF SOSAFE™ SPECIALTY PRODUCTS

50 Chard Rd

Brookvale NSW 2100

Phone Number: 02 9938 1800

Emergency telephone number: National Poison Information Centre: 13 11 26

2. HAZARDS IDENTIFICATION

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

Signal Word Void

Hazard Statements Void

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

64-17-5	Ethanol	Flammable Liquids 2, H225; Serious Eye Damage/Irritation 2, H319	<10%
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Additional information:

This product also contains:

Surfactants, CAS No. not supplied - 10 - 30%

Alcohol denaturants, CAS No. not supplied - <0.1%

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Never give anything by mouth to an attention.

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Symptoms Caused by Exposure:

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Large doses may cause gastrointestinal irritation with nausea and vomiting.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include toxic gases such as oxides of carbon and hydrocarbons.

Product may exhibit a momentary flash point >49 °C, but will not burn.

Vapours may form flammable mixtures in air.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Protect containers from physical damage. Keep away strong oxidising agents and acids.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

64-17-5 Ethanol

WES | TWA: 1880 mg/m³, 1000 ppm

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for

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more information.

Skin Protection:

PVC or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Blue
Odour:	Slight alcohol odour
Odour Threshold:	No information available
pH-Value:	Neutral
Melting point/Melting range:	<0 °C
Initial Boiling Point/Boiling Range:	~78 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure at 20 °C:	2.4 KPa
Density at 20 °C:	~1 g/cm ³
Evaporation Rate:	As for water.
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
% Volatiles by Volume:	85 % (Approximately)

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: No further relevant information available.

Incompatible Materials: Oxidising agents and acids.

Hazardous Decomposition Products: Toxic gases such as oxides of carbon and hydrocarbons.

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11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

64-17-5 Ethanol

Oral	LD ₅₀	3450 mg/kg (mouse)
	LD ₅₀	7060 mg/kg (rat)
Inhalation	LC ₅₀ /10 h	2000 ppm (rat)
	LC ₅₀ /4 h	20000 mg/L (rat)

Acute Health Effects

Inhalation: Inhalation is unlikely due to the low vapour pressure of this product.

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Ingestion: Large doses may cause gastrointestinal irritation with nausea and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Repeated or prolonged exposure may cause skin and eye irritation. Chronic exposure to skin may cause skin rash and dermatitis.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity:

No adverse ecological effects are expected when released in small quantities. However, large quantities may cause foaming, with adverse effects on aquatic life.

Aquatic toxicity: No further relevant information available.

Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: Bioaccumulation is not expected to occur.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

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13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7732-18-5 Water

64-17-5 Ethanol

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 . OTHER INFORMATION

Prepared by: BRACON CHEMICALS™ – A DIVISION OF SOSAFE™ SPECIALTY PRODUCTS

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percent

LD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 2: Flammable liquids – Category 2

Serious Eye Damage/Irritation 2: Serious eye damage/eye irritation – Category 2

Disclaimer

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.