

Section 1. IDENTIFICATION

Rinse Aid Concentrate

Description/Use: Machine Rinse Aid Concentrate with descale

Product Code: 2-315

Business Name: Made by Zexa

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Use only according to directions on product spec sheet and label.

Poisons Information Centre: Australia 13 11 26 NZ: 0800 764 766

Section 2. HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This material is classified as Hazardous according to the criteria of Safe Work Australia (SWA).

SUSMP Classification: None allocated

UN Number: None allocated.

GHS Signal word: WARNING

Eye irritation Category 2B



HAZARD STATEMENT:

H320: Causes eye irritation.

PRECAUTIONARY STATEMENT:

Do not breathe mists or vapour. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye/face protection.

PREVENTION:

P102: Keep out of reach of children.

P103 Read label before use.

P234: Keep only in original container.

P260: Do not breathe fumes, mists, vapours or spray.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands and face thoroughly after handling.

P280: Wear protective gloves, protective clothing and eye or face protection.

RESPONSE:

P101 If medical advice is needed, have product container or label at hand.

P363: Wash contaminated clothing before reuse.

P301+P310+P330+P331: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice.

P390: Absorb spillage to prevent material damage.

P391: Collect spillage.

P370+P378: Not combustible. Use extinguishing media suited to burning materials. Water fog or fine spray is the preferred medium for large fires.

STORAGE

P406: Store in corrosive resistant container with a resistant inner liner.

P402+P404: Store in a dry place. Store in a closed container.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Section 3. COMPOSITION INFORMATION

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL
Surfactant – non ionic blend	NA	5-15	Not set	Not set
Other non hazardous ingredients	Various	<5	Not set	Not set
Water	7732-18-5	to 100	Not set	Not set
Isopropanol	67-63-0	5-15	983	1230

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4. FIRST AID

Inhalation: Move victim to fresh air. If symptoms develop, seek medical advice.

Swallowed: Flush mouth with water. DO NOT induce vomiting. Get immediate medical attention. For advice, call the POISONS INFORMATION CENTRE PH: 13 11 26

Eye Contact: Immediately rinse with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. For advice, call the POISONS INFORMATION CENTRE PH: 13 11 26

Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.

Symptoms caused by exposure: Irritating and burning sensation after contact.

Medical attention and special treatment: No Specific treatment. Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

This product is not flammable under the conditions of storage and use and does not support combustion.

Extinguishing Media: Use the extinguisher appropriate to the principal fire hazard or to the source of the fire.

Specific Hazards: None known.

Hazardous Combustion Products: If this product is involved in a fire, the water contained in it may evaporate, leaving a residue which may combust. During combustion, the residue may produce carbon monoxide as well as other unidentifiable organic compounds.

Protective Equipment: Fire fighters are to wear protective equipment appropriate to the principal fire hazard or the source of the fire. No special protective equipment required if this product is involved in a fire.

Flash Point: This product will not flash and does not support combustion.

Flammability: This product is not flammable under the conditions of use and does not support combustion.

Section 6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Note: spillages are slippery. Wear appropriate protective equipment. Cordon off the spillage area. Isolate the source of the spillage or leak. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7. HANDLING AND STORAGE

Store in plastic containers in a clean, dry, cool, well ventilated place away from foodstuffs. Keep containers sealed when not in use. It is recommended that this product be dispensed through approved dispensers.

Precaution for safe handling – observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing. When using, do not eat, drink or smoke.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards

No value assigned by NOHSC for any ingredients used in this product. The following components have been listed with an OEL as per Safe Work Australia (SWA) – Workplace Exposure Standards for Airborne Contaminants.

Ingredients (mg/m ³)	CAS No	Conc,%	TWA (mg/m ³)	STEL
Isopropanol	67-63-0	5-15	983	1230

Individual Protection Measures

Not required under normal conditions of use. The following Australian Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZ 1715; Protective gloves: AS2161; Occupational Protective Clothing: AS/NZS 4501 2008; Industrial Eye Protection: AS 1336 and AS/NZS 1337; Occupational Protective Footwear: AS/NZS 2210.

No special equipment is usually needed when handling small quantities. The following are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Eye and face protection: safety glasses or chemical resistant goggles should be worn to prevent eye contact. It is also recommended to provide eyebath or eyewash facilities in an area close to where the product is being used.

Skin protection: Information at hand indicates that this product is not harmful and normally no special skin protection is necessary. However, we suggest that you routinely avoid skin contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Respiratory protection: Not normally needed. If significant vapours or mists are generated, use an appropriate respirator in accordance with AS/NZS 1715.

Engineering Controls: This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid.	Colour:	Blue
Flashpoint (°C):	Not applicable	Boiling Point (°C):	100°C
Flammability Limits (%):	Not flammable	Vapour Pressure:	Not available
Water Solubility:	Complete	Specific Gravity:	Not available
Odour	None	pH:	5.0 – 6.0

Section 10. STABILITY AND REACTIVITY

Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Stability:	Considered stable. For extended storage life, store below 30°C and keep out of direct sunlight
Hazardous Polymerisation:	Will not occur.
Materials to Avoid:	Strong oxidising agents. Acids.
Conditions to Avoid:	Keep containers tightly closed.
Incompatible Materials:	Strong oxidising agents.
Fire decomposition:	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide and, if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

Section 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Information on Route of Exposure Acute Toxicity:

Inhalation:	Short term: available data indicates the product is not harmful and is unlikely to cause any discomfort or irritation. Long term: No data for long term health effects available.
Eye Contact:	Short term: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other

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symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased.

Long term: No data for health effects associated with long term eye exposure but lengthy exposure or delayed treatment may cause permanent damage.

Skin Contact:

Short term: Available data indicates the product is not harmful and present no hazard in normal use. Product may be mildly irritating but unlikely to cause anything more than mild discomfort, which should disappear once contact ceases.

Long term: No data for long term health effects available.

Ingestion:

Short term: Significant oral exposure is considered unlikely. This product may be irritating to mucous membranes but unlikely to cause anything more than transient discomfort.

Long term: No data for long term health effects available.

Skin Corrosion/Irritation:

Not classified

Serious Eye Damage/Irritation:

Not classified

Respiratory or Skin Sensitisation:

Not classified

Germ Cell Mutagenicity:

Not classified

Carcinogenicity:

No significant ingredient is classified as carcinogenic by SWA or NTP.

IARC:

Isopropanol is Class 3, unclassifiable as to carcinogenicity to humans. See the IARC website for further details.

Reproductive Toxicity:

Not classified

Specific Target Organ Toxicity (STOT) – Single Exposure:

Not classified

Specific Target Organ Toxicity (STOT) – Repeated Exposure:

Not classified

Aspiration Hazard:

Not classified

Immediate, Delayed or Chronic Health Effects From Exposure: None known

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

No product data available.

Persistence and Degradability:

Not readily biodegradable.

Bioaccumulative Potential:

Low bioaccumulation potential.

Mobility in Soil:

Low sorption to soil/sediment, moderate migration to ground water. (Estimated Log KOC value (EpiSuite 4.1 KOCWIN) <1).

Section 13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, refer to Waste Management Authority. If recycling or reclaiming is not possible, use a commercial waste disposal service.

Section 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Road and Rail.

UN Number: Not Applicable

Proper Shipping Name or Technical Name: Not Applicable

Transport Hazard Class: Not Applicable

Hazchem or Emergency Action Code Not Applicable

Packing Group: Not Applicable

Environmental hazards for Transport Purposes: Not Applicable

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code).

Section 15. REGULATORY INFORMATION

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS). This document has been produced in accordance with the requirements of GHS of classification and labelling.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS 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 supplier.

Section 16. OTHER INFORMATION

Abbreviations and acronyms:

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.

AICS: Australian Inventory of Chemical Substances.

CAS Number: Chemical Abstracts Service Registry Number.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.

HSIS: Hazardous Substances Information System

IARC: International Agency for Research on Cancer.

NOHSC: National Occupational Health and Safety Commission.

NTP: National Toxicology Program (USA).

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit.

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.

TWA: Time Weighted Average. UN Number: United Nations Number.

Literature references:

- Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)
- GHS Hazardous Chemical Information List (Safe Work Australia)
- Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Safe Work Australia.
- Global Harmonized System of Classification and Labelling of Chemicals
- “Australian Exposure Standards”
- Australian Code For The Transport Of Dangerous Goods By Road And Rail
- Standard for the Uniform Scheduling of Medicines and Poisons
- Material Safety Data Sheets – individual raw materials – Suppliers.
- Approved Criteria for Classifying Hazardous Substances NOHSC:1008(1999)]
- Hazardous Substance Information System – National Worksafe Data Base.
- Hazardous Chemical Information System (HCIS).
- Implementation of the globally harmonised system of classification and labelling of chemicals (GHS).
- ECHA (European Chemicals Agency)

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