

Rinse Aid Plus C14

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Commercial name: RINSE AID PLUS C14
Commercial code: **0S2095**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Rinse aid for dishwashers
Sector of use:
Professional uses [SU22]

Non-recommended uses
Do not use for uses other than those indicated.

1.3. Details of the supplier of the safety data sheet

Distributed by :
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1.4. Emergency telephone number

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification pursuant to EC Regulation N. 1272/2008:

Pictograms:
GHS07

Hazard class and category code:
Eye Irrit. 2, Aquatic Chronic 3

Hazard statement code:
H319 – Causes serious eye irritation.
H412 – Harmful to aquatic life with long lasting effects.

The product, if brought into contact with the eyes, causes significant irritation which may last for more than 24 hours.
The product is dangerous for the environment as it is harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling conforms to EC regulation 1272/2008:

Pictograms, hazard codes:

GHS07 - Warning

Hazard statement code:

H319 – Causes serious eye irritation.

H412 – Harmful to aquatic life with long lasting effects.

Precautionary advice:

Prevention

P280 - Wear eye protection.

Reaction



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

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

Disposal

P501 - Dispose of contents/container as per local regulations.

Contains (EC Regulation 648/2004):

> 15% < 30% Nonionic surfactants.

< 5% Amphoteric surfactants, Polycarboxylates.

2.3. Other hazards

The substance/formula DOES NOT contain PBT/vPvB substances as per EC Regulation 1907/2006, appendix XIII.

No information on other hazards.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

See point 16 for the complete text on hazard indications.

NOTE: THE SUBSTANCES INDICATED WITH (*) PRESENT SPECIFIC LIMITS

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Alcohols, C12-14, ethoxylated propoxylated	> 10 <= 25%	Aquatic Chronic 3, H412	n.a.	68439-51-0	n.a.	n.a.
Citric acid	> 10 <= 20%	Eye Irrit. 2, H319	n.a.	77-92-9	201-069-1	01-2119457026-42
Alpha-Epoxydes, C10-alkyl, reaction products with Oxo alcohol C11, ethoxylated	> 5 <= 10%	Eye Irrit. 2, H319; Aquatic Chronic 3, H412	n.a.	501019-90-5	n.a.	n.a.
Etanolo (*)	> 1 <= 5%	Flam. Liq. 2, H225	603-002-00-5	64-17-5	200-578-6	01-2119457610-43
Sodium Cumenesulphonate	> 1 <= 5%	Eye Irrit. 2, H319	n.a.	15763-76-5	239-854-6	01-2119489411-37
Isopropanol (*)	> 1 <= 5%	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	603-117-00-0	67-63-0	200-661-7	01-2119457558-25

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Ventilate the area. Immediately remove the patient from the contaminated area and allow them to rest in a well-ventilated area. In case of illness consult a doctor.

Direct contact with the skin (neat product):

Remove immediately the contaminated clothing. Immediately wash the parts of the body that have come into contact with the product with plenty of running water and soap if necessary, even if contact is only suspected.

Direct contact with the eyes (neat product):

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Rinse immediately and thoroughly with running water, with eyes open, for at least 10 minutes; then protect the eyes with a dry sterile bandage. Undergo medical examination immediately. Do not use eye washes or ointments of any kind before examination and advice from an eye doctor.

Ingestion:

Rinse mouth thoroughly. It is possible to administer active carbon in water or in medical mineral vaseline oil.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

If eye irritation persists, get medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended extinction methods:

Fog, CO₂, foam, chemical powders according to the materials involved in the fire.

Extinction methods to be avoided:

Use water jets solely to cool the surfaces of containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Use breathing apparatus.

Full safety helmet and protective clothing.

Fog can be used to protect personnel involved in firefighting.

It is furthermore recommended to use self-contained breathing apparatus, above all when operating in enclosed and poorly-ventilated spaces, and in any case if using halogenated extinguishers (fluobrene, solkane 123, naf etc.).

Cool containers with water jets.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Move away from the area of spillage or discharge. Do not smoke.

6.1.2 For emergency responders:

Wear a mask, gloves and protective clothing

Eliminate all naked flames and possible sources of ignition. Do not smoke.

Provide suitable ventilation.

Evacuate the area of risk and, if necessary, consult an expert.

6.2. Environmental precautions

Contain the spillage with earth or sand.

If the product has flowed into a watercourse, sewage system or has contaminated the earth or vegetation, advise the relative authorities.

Dispose of the residue according to regulations in force.

6.3. Methods and material for containment and cleaning up

6.3.1 For containment

Quickly collect the product while wearing a mask and protective clothing.

Collect the product for re-use, if possible, or for disposal. If necessary, soak up the product with inert material.

Prevent the product from entering the sewage system.

6.3.2 For cleaning

Following collection, wash the area and affected materials with water.

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6.3.3 Other information:

No information in particular.

6.4. Reference to other sections

Refer to points 8 and 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of fumes.

Do not eat or drink while working.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep the product in the original container, securely closed. Do not store in open or unlabelled containers.

Keep the containers in an upright and safe position, avoiding possible falls or knocks.

Store in a cool location, far from all sources of heat, and from direct exposure to sunlight.

7.3. Specific end use(s)

Professional uses:

Handle with care. Store in a well-ventilated location, far from sources of heat, keep the container securely closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Relative to the substances contained:

Citric acid:

PNEC:

Fresh water = 0.44 (mg/l)

Fresh water Sediment = 3.46 (mg/kg/Sediment)

Sea water = 0.044 (mg/l)

Sea water Sediment = 34.6 (mg/kg/Sediment)

STP = 1000 (mg/l)

Earth = 33,1 (mg/kg Earth)

Sodium Cumensulphonate

DNEL

Long-term systematic effects of Worker Inhalation = 53.6 (mg/m³)

Long-term systematic effects on Worker's skin = 7.6 (mg/kg bw/day)

Long-term systematic effects of Consumer Inhalation = 13.2 (mg/m³)

Long-term systematic effects on Consumer's skin = 3.8 (mg/kg bw/day)

Long-term systematic effects on Consumers via Oral introduction = 3.8 (mg/kg bw/day)

PNEC

Fresh water = 0.23 (mg/l)

Intermittent emissions = 2.3 (mg/l)

Isopropanol (*)

Long-term systematic effects of Worker Inhalation = 500 (mg/m³)

Long-term systematic effects on Worker's skin = 888 (mg/kg bw/day)

Long-term systematic effects of Consumer Inhalation = 89 (mg/m³)

Long-term systematic effects on Consumer's skin = 319 (mg/kg bw/day)

Long-term systematic effects on Consumers via Oral introduction = 26 (mg/kg bw/day)

PNEC

Fresh water = 140.9 (mg/l)

Fresh water Sediment = 552 (mg/Kg/Sediment)

Sea water = 140.9 (mg/l)

Sea water Sediment = 552 (mg/Kg/Sediment)

Intermittent emissions = 140.9 (mg/l)

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Earth = 28 (mg/Kg Earth)

8.2. Exposure controls

Suitable technical controls:

Professional uses:

No specific control provided for.

Individual protection measures:



a) Protection of eyes/face

During the handling of the neat product use safety glasses (with side protection) (EN 166).

b) Protection of skin

i) Protection of hands

Not necessary for normal use.

ii) Other

Wear standard work clothing.

c) Respiratory protection

Not necessary for normal use.

d) Thermal hazards

No hazard to be indicated.

Environmental exposure control:

Use according to best working practices, dispose of the product responsibly.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Method of determination
Appearance	Clear light blue liquid	
Odour	Weak characteristic	
Odour threshold	not available	
pH	2.5 +/- 0.5	
Melting point/freezing point	< 0°C	
Initial boiling point and boiling range	approximately 100°C	
Flash point	non-flammable	
Evaporation rate	not available	
Flammability (solid, gas)	non-flammable	
Upper/lower flammability or explosive limits	non-flammable	
Vapour pressure	not available	
Vapour density	not available	
Relative density	1,075 g/ml	
Solubility(ies)	in water	
Water solubility	dispersible	
Partition coefficient: n-octanol/water	not available	
Auto-ignition temperature	not available	
Decomposition temperature	not available	

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Viscosity	not available	
Explosive properties	Non-explosive	
Oxidising properties	Non-oxidising	

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No risk of reactivity.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseen if handled and stored as per indications.

10.4. Conditions to avoid

Nothing to indicate.

10.5. Incompatible materials

Nothing of note.

10.6. Hazardous decomposition products

Does not decompose if used for the appropriate uses.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

ATE (mix) oral = n.a.

ATE (mix) dermal = n.a.

ATE (mix) inhal = n.a.

(a) acute toxicity: on the basis of the information available, classification criteria are not met.

(b) corrosion / irritation of the skin: on the basis of the information available, classification criteria are not met.

(c) severe ocular lesions / irritation: the product, if brought into contact with the eyes, causes significant irritation which may last for more than 24 hours.

(d) respiratory and skin sensitisation: on the basis of the information available, classification criteria are not met.

(e) germ cell mutagenicity: on the basis of the information available, classification criteria are not met.

(f) carcinogenicity: on the basis of the information available, classification criteria are not met.

(g) reproductive toxicity: on the basis of the information available, classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: on the basis of the information available, classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure: on the basis of the information available, classification criteria are not met.

(j) aspiration hazard: on the basis of the information available, classification criteria are not met.

Relative to the substances contained:

Alcohols, C12-14, ethoxylated propoxylated

LD50 Oral (rat) (mg/kg of body weight) = 2000

LD50 Skin (rat or rabbit) (mg/kg of body weight) = 5000

Citric acid

LD50 Oral (rat) (mg/kg of body weight) = 5400

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LD50 Skin (rat or rabbit) (mg/kg of body weight) = 2000

Alpha-Epoxides, C10-alkyl, reaction products with Oxo alcohol C11, ethoxylated

LD50 Oral (rat) (mg/kg of body weight) = 2000

Etanolo (*)

LD50 Oral (rat) (mg/kg of body weight) = 10470

LD50 Skin (rat or rabbit) (mg/kg of body weight) = 20000

CL50 Inhalation (rat) of vapour/powder/aerosol/smoke (mg/l/4h) or gas (ppmV/4h) = 124.7

Sodium Cumensulphonate

LD50 Oral (rat) (mg/kg of body weight) = 7000

LD50 Skin (rat or rabbit) (mg/kg of body weight) = 2000

SECTION 12: Ecological information

12.1. Toxicity

Relative to the substances contained:

Alcohols, C12-14, ethoxylated propoxylated

C(E)L50 (mg/l) = 1

Citric acid

LC50 (fish): 440 mg/l (48h)

LC50 (daphnia): 1535 mg/l (24h)

NOEC (algae): 425 mg/l (8d)

TT (micro-organisms): >10000 mg/l (16h)

Alpha-Epoxides, C10-alkyl, reaction products with Oxo alcohol C11, ethoxylated

CL50 (fish): 1-10 mg/l (96h)

CE50 (daphnia): 1-10 mg/l (48h)

CE50 (algae): 10-100 mg/l (72h)

CE0 (micro-organisms): 1-10 mg/l

Etanolo (*)

LD50 (fish): > 12000 mg/l (96h)

EC50 (daphnia): > 10000 mg/l (48h)

EC50 (algae): > 200 mg/l (72h)

Sodium Cumensulphonate

LC50 (fish): > 1000 mg/l (96h)

EC50 (daphnia): > 1000 mg/l (48h)

EC50 (algae): > 230 mg/l (96h)

EC10 (micro-organisms): > 1000 mg/l (3h)

The product is harmful to the environment and for aquatic organisms following acute exposure.

Use according to best working practices, dispose of the product responsibly.

12.2. Persistence and degradability

Relative to the substances contained:

Citric acid

Biodegradability = 97% (28d) (OECD Guideline 301 B)

Easily biodegradable.

Sodium Cumensulphonate

Degradability: 99.8% (28d) (OECD Guideline 301 B)

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12.3. Bioaccumulative potential

Relative to the substances contained:

Alpha-Epoxides, C10-alkyl, reaction products with Oxo alcohol C11, ethoxylated

Accumulation in organisms is not to be expected.

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

The substance/formula DOES NOT contain PBT/vPvB substances as per EC Regulation 1907/2006, appendix XIII.

12.6. Other adverse effects

No adverse effects registered.

EC Regulation n. 2006/907 - 2004/648

The surfactant(s) contained in this formula conform(s) to the criteria of biodegradability established by regulation EC/648/2004 regarding detergents. All support data is held available for the competent authorities of the Member States and will be supplied on explicit request or on the request of a producer of the formula, to the aforementioned authorities.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them according to regulations in force. Any product residue must be disposed of according to regulations in force by contacting authorised companies.

Collect if possible. Send to authorised disposal plants or for controlled incineration. Operate according to local and national regulations in force.

SECTION 14: Transport information

14.1. UN number

Not included in the field of application of the regulations regarding the transportation of hazardous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None.

14.3. Transport hazard class(es)

None.

14.4. Packing group

None.

14.5. Environmental hazards

None.

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transportation of bulk goods is not foreseen.

SECTION 15: Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Legislative decree 3/2/1997 n. 52 (Classification, packaging and labelling of hazardous substances). Legislative decree 14/03/2003 n. 65 (Classification, packaging and labelling of hazardous formulas). Legislative decree 2/2/2002 n. 25 (Risks deriving from chemical agents at work). Ministry of Labour Decree 26/02/2004 (Professional limits of exposure); Ministerial Decree 03/04/2007 (Actuation of directive n. 2006/8/EC). EC Regulation n. 1907/2006 (REACH), EC Regulation n. 1272/2008 (CLP), EC Regulation n. 790/2009 Legislative Decree of 21 September 2005 n. 238 (Seveso III Directive).

15.2. Chemical safety assessment

The supplier has not carried out an evaluation of chemical safety.

SECTION 16: Other information

16.1. Other information

Description of hazard indications shown in point 3

H412 = Harmful to aquatic life with long lasting effects.

H319 = Causes serious eye irritation.

H225 = Highly flammable liquid and vapour.

H336 = May cause drowsiness or dizziness.

Classification carried out according to data regarding all of the components of the formula

Principal regulatory references:

Directive 2001/60/EC

Regulation 2008/1272/EC

Regulation 2010/453/EC

*** This sheet cancels and substitutes all previous editions.