

Date: JUN 2017

Page: 1 of 5

Revision: 7

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Rinse Aid

1.2 Relevant identified uses of the substance/mixture and uses advised against

Rinse additive for automatic dishwashing machines.

1.3 Details of the supplier of the safety data sheet

SUPPLIER:

CHEMICAL SOLUTIONS UK
42 Kennel Lane
Fetcham
SURREY
08452500943
sales@chemical-solutions.co.uk

1.4 Emergency telephone number

07904953893

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP Regs.: Eye irritant 2 H319

2.2 Label elements

Label elements under CLP:

Hazard pictograms: GHS07



Signal Word: Warning

Hazard Statements: H319: Causes serious eye irritation

Precautionary statements: PREVENTION: Wear protective gloves, clothing and eye protection. Wash hands thoroughly after handling

RESPONSE: IF ON SKIN: Wash immediately with soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If eye irritation persists get medical advice/attention.

2.3 Other hazards

PBT: this material does not contain any substance identified as a PBT or vPvB substance

SAFETY DATA SHEET

RINSE AID

Date: JUN 2017
Revision: 7

Page: 2 of 5

3. Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous ingredients:

CAS	EINECS	Classification CLP	Concentration %w/w
Propan-2-ol (REACH Reg. No. 01-2119457558-25)			
67-63-0	200-661-7	Flam. Liq. 2 H225; Eye irrit. 2 H319; STOT SE3 H336	5-10

See section 16 for full text of H statements

4. First aid measures

4.1 Description of first aid measures

Eye contact: Flush with clean water for at least 15 minutes. Seek medical advice.

Skin contact: Wash area with soap and water. Seek medical advice if irritation persists.

Ingestion: DO NOT induce vomiting. Give plenty of water to drink and seek immediate medical attention.

Inhalation:

4.2 Most important symptoms and effects both acute and delayed

No further relevant information

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Product is not classified as flammable but may burn and irritating fumes may be given off in the event of fire. Water spray, dry powder or alcohol resistant foam are suitable.

Unsuitable agents:

Water jet

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Use self-contained breathing apparatus

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See section 8 for advice on protective equipment.

6.2 Environmental precautions

Do not allow spillage to enter watercourses.

SAFETY DATA SHEET

RINSE AID

Date: JUN 2017

Page: 3 of 5

Revision: 7

6.3 Methods and material for containment and cleaning up

Small spillages may be rinsed away with plenty of water. Larger spillages should be contained and absorbed in inert material. Transfer to plastic container for disposal.

6.4 Reference to other sections

7. Handling and storage

7.1 Precautions for safe handling

Avoid eye contact.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed. Do not mix with other chemicals.

7.3 Specific end use

Dishwashing machine additive

8. Exposure controls/personal protection

8.1 Control parameters

Substances assigned Workplace Exposure Limits

Name	type	Long term	Short term
Propan-2-ol	WEL	400ppm(8hr TWA)	500ppm(15 mins)

DNEL Propan-2-ol

Exposure	Value	Population	Effect
Dermal	888mg/kg/day	workers	Long term systemic
Inhalation	500mg/m ³	workers	Long term systemic
Dermal	319mg/kg/day	consumers	Long term systemic
Inhalation	89mg/m ³	consumers	Long term systemic
Oral	26mg/kg/day	consumers	Long term systemic

PNEC Propan-2-ol: Fresh water 140.9mg/l; Marine water 140.9mg/l; STP 2251mg/l; Soil 28mg/kg

8.2 Exposure controls

Wear rubber gloves if skin contact is unavoidable. Wear eye protection to prevent liquid splashes if necessary. Avoid inhalation of spray mist.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Clear blue liquid

Odour: slight alcoholic

Density at 20°C: 1.0kg/ltr

Solubility: Completely soluble in water.

pH: 6

Flash point: >55°C

Boiling point: 100°C approx.

Oxidising: No

9.2 Other information

10. Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions. See sect. 10.3

10.2 Chemical stability

Stable under normal conditions

SAFETY DATA SHEET

RINSE AID

Date: JUN 2017
Revision: 7

Page: 4 of 5

10. cont.

10.3 Possibility of hazardous reactions

Acidic product. Contact with products containing bleach can cause a reaction with evolution of chlorine gas.

10.4 Conditions to avoid

No special measures.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

Decomposition at high temperatures will produce oxides of carbon.

11. Toxicological information

11.1 Information on toxicological effects.

Propan-2-ol LD50 4700mg/kg (oral, rat)

No significant health hazard when used as intended. Effects of overexposure:-

Eyes: Irritation, redness and watering.

Skin: Irritation, redness.

Ingestion: Sore throat and mouth, abdominal pain, vomiting.

Inhalation (mist): Dizziness, coughing, shortness of breath, irritation to membranes of nose and throat.

12. Ecological information

12.1 Toxicity

Aquatic toxicity: Propan-2-ol LC₅₀ 9600mg/l (flathead minnow, 96h)

12.2 Persistence and degradability

All ingredients are biodegradable.

12.3 Bioaccumulative potential

Not expected to bioaccumulate.

12.4 Mobility in soil

All ingredients are water soluble.

12.5 Results of PBT and vPvB assessment

There are no ingredients identified as PBT or vPvB substances.

12.6 Other adverse effects

No further relevant information.

13. Disposal considerations

13.1 Waste treatment methods

Comply with local regulations. Do not allow concentrate to enter water systems. Used packaging may be suitable for recycling after thorough washing with water.

14. Transport information

14.1 UN Number

Not classified as hazardous for transport.

14.2 UN Proper shipping name

None.

14.3 Transport hazard class(es)

Not classified

14.4 Packing group

Not classified

14.5 Environmental hazards

Not classified

14.6 Special precautions for user

SAFETY DATA SHEET

RINSE AID

Date: JUN 2017

Page: 5 of 5

Revision: 7

15. Regulatory information

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

Detergent Regulations: Contains 5-15% non-ionic surfactants.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

16. Other information

This safety data sheet has been prepared according to EU Commission Regulation 453/2010

The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.

The hazards information in this data sheet refers to the material as supplied and not to any subsequent dilution or mixture.

The full text of the H statements referred to in section 3 are shown below. These classifications apply to the ingredients, in their concentrated form, which contribute to the classification of the product or mixture.

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Goods by Road
CAS	Chemical Abstracts Service
CHIP	Chemicals (Hazard Information and Packaging) Regulations – Directives 1999/45/EC and 67/548/EC
CLP	Classification and Labelling of Chemicals – Regulation (EC) No. 1272/2008
CMR	Carcinogenic-mutagenic-toxic for reproduction
DNEL	Derived No Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative
PNEC	Predicted No Effect Concentration
RID	Convention concerning International Carriage by Rail
WEL	Workplace Exposure Limit
VOC	Volatile Organic Compound