



EU SAFETY DATA SHEET in accordance with EU-Directive 2001/58/EC

Latest update 03/03/2004

## RINSE AID

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade name RINSE AID  
Supplier details ECOVER BELGIUM NV  
Address Industrieweg 3, 2390 Malle, Belgium  
Telephone +32 (0)3 309 25 00 Fax +32 (0)3 311 72 70  
Emergency phone +32 (0)70 245 245  
Telephone manager on guard +32 0473 94 49 97  
Composition Rinse aid for use in dishwashers

### 2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Ingredients according to 67/548/EEC	% w/w	Symbol	CAS / EINECS-ELINCS
Ethanol	15-30	F; R11	64-17-5/ 200-578-6
Non-ionic sugar detergent	5-15	Xi; R36/38	

### 3. HAZARDS IDENTIFICATION

Fire No specific risks when used normally.  
Inhalation No specific risks when used normally. When spraying on large surfaces, headache, dizziness and drowsiness may occur.  
Skin contact No specific risks when used normally.  
Eye contact No specific risks when used normally.  
Ingestion Headache, dizziness and drowsiness.

### 4. FIRST AID MEASURES

Inhalation Not relevant.  
Skin contact Rinse with water.  
Eye contact Rinse for a long time with cold, running water.  
Ingestion Drink plenty of water or milk, do not induce vomiting!  
Workplace equipment No specific recommendations.  
Hints for the physician No specific recommendations.



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5. FIRE-FIGHTING MEASURES	
Suitable fire extinguishing media	All extinguishing agents are allowed in case of fire in the immediate surroundings (alcohol-resistant foam).
Non suitable media	None.
Special exposure hazards	Cool heat-exposed product with water spray.
Protection against fire and explosions	Observe normal precautions for handling chemicals. For personal protection see also § 8.
6. ACCIDENTAL RELEASE MEASURES	
Environmental precaution	Do not allow concentrated or diluted product to enter the soil or surface water.
Methods for cleaning up	Recover spilled material as much as possible in a clean container for reuse. Large spillages must be dammed off, taken up with sand or inert absorbent material and disposed of as chemical waste according to applicable regulations. Rinse away remainder with water.
Personal precaution	Provide appropriate ventilation and sparkless workplace. Avoid contact with unprotected skin and eyes (see § 8).
7. HANDLING AND STORAGE	
Handling	Wear suitable gloves in case of frequent contact with undiluted product. Do not smoke.
Fire-and explosion protection	Keep away from sparks, open fire and oxidants. Above 33°C, use closed appliances, ventilation and explosionproof electrical equipment.
Storage	Store in a cool, well-ventilated and fireproof area in a tightly closed packaging, out of reach of children.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Skin protection	Normal use excludes any direct contact with the skin. Wear waterproof gloves (preferably neoprene or nitrile rubber) in case of intensive use or contact with neat product.
Eye protection	No specific recommendations.
Respiratory protection	Not relevant.
Environment protection see § 6	
<u>Ingredients with limit values regarding the working area</u>	
Ethanol (Cas <sup>o</sup> : 64-17-5 EINECS-ELINCS <sup>o</sup> : 200-578-6) MAC:1000ppm, 1900mg/m <sup>3</sup> . Harmful concentration levels in the air will be reached rather slowly in case of evaporation at 20°C (not relevant in case of normal use).	



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9. PHYSICAL AND CHEMICAL PROPERTIES				
Appearance	liquid	Relative density 20°C	1,01	kg/l
Colour	light yellow	pH conc 20°C	2	pH 1% 4
Odeur	not perfumed	Viscosity 25°C Brookfield LVT	<25	mPa.s
Flash point	33 °C	Solubility in water 20°C	complete	
Self-ignition temperature	Above 33°C explosive vapour/air mixtures may be formed.			
Oxydation properties	None.			

  

10 . STABILITY AND REACTIVITY			
Stability	No decomposition under normal conditions of storage and use.		
Conditions to avoid	Do not store <0°C and >40°C.		
Materials to avoid	Do not mix with other cleaning products (especially not with chlorous products).		
Hazardous decomposition products	No dangerous decomposition products known.		

  

11. TOXICOLOGICAL INFORMATION		Evaluation
Skin irritation (RBC test: Denaturation Index)	% (Sodiumdodecylsulphate = 100%)	very toxic
Eye irritatie (RBC test: Mean Indices Ocular Irritancy)		
Remark		
- Skin		
- Eye		
- Oral	Slightly toxic (LD 50 rat-ori-theo 5000-15000 ppm).	
Sensibilisation	To the best of our knowledge, this product contains no sensitizing raw materials.	
Remark	Contains only ELINCS or EINECS registered raw materials and does not contain any ingredients known to be mutagenic, carcinogenic, teratogenic or reproduction toxic (R45,46,47,49,60,61,63,64, EU 97/C234, 67/548/EEC, 88/379/EEC, OSHA, NTP, IARC/ARAB (cat 1-3))	



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12. ECOLOGICAL INFORMATION		Evaluation
Biodegradation acc. to Sapromat respirometry test (OECD 301F)	100 %	
Biodegradation acc. to Coupled Units test (OECD 303A)	%	
Biodegradation acc. to Stable Metabolite test	%	
Daphnia toxicity (Daphnia magna) EC 50 48h OECD 202	653 ppm	hardly not toxic
Rotifer toxicity (Brachionus calyciflorus) EC50 24h ASTM E1440-91	353 ppm	hardly not toxic
Algal toxicity (selenastrum capricornutum) EC50 72h OECD 201	104,5 ppm	hardly not toxic
Bacterial toxicity EC 50 (Microtox EC50 15min) DIN 38-412-L34	ppm	not tested
<u>Remarks</u>	Ecover products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components. The surface active components used in this product fulfill all of the biodegradability requirements in line with EU directives 73/404 and 73/404 (and their amendments).	
13. DISPOSAL CONSIDERATIONS		
Product	Waste of this product is considered chemical waste. The legislation concerning disposal of waste can differ from one country/state to another. The disposal should therefore be done according to national or local waste legislation. If in doubt, ask the local waste management authority for advice. (also see § 6 and § 8 when disposing of).	
Packaging	Cleaned empty packaging (including labels and caps) of this product is fully recyclable (HDPE + PE). Empty (and cleaned) packaging may be collected selectively for recycling according to national or local waste legislation. Uncleaned packaging should be disposed of as chemical waste. The empty packaging is not subject to ADR.	
14. TRANSPORT INFORMATION		
This product is not subject to ADR regulations.		
<u>Road transport</u>		
ADR/RID	Class	Number
UN N°		
ADR Symbol		



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### 15. REGULATORY INFORMATION

#### Symbols

#### R- phrases

R- Without any risks for man and environment acc. to 1999/45/EEC

#### S- phrases

S2 Keep out of reach of the children.

S7 Keep container tightly closed.

S16 Keep away from sources of ignition -- No smoking.

WGK classification (Germany) Non-hazardous to water

### 16. OTHER INFORMATION

For correct use of this product: see Technical Data Sheet

#### Consulted literature

Chemiekaarten, 12th edition, 1997, ed. MIA, VMCI, Samson  
Comprehensive guide to chemical resistant best gloves for various amounts of exposure, 1999, ver.3.5 www  
MSDS of the respective suppliers.

This information herein only regards the product mentioned in § 1 and does not necessarily apply to its use combined with any other product(s) or specific process. This information is accurate and complete to our best current knowledge and is presented in good faith but without any warranty, express or implied. It remains the responsibility of the user to ensure himself this information is applicable and complete with respect to the intended use.

Revision of former version 01/02/2003. Changes in relation to the former version were made in headings: §1, §2, § 6, §8, §12, §13, §15.