

Ref: TB 943

H. S. WALSH & SONS LTD
243 BECKENHAM ROAD
BECKENHAM
KENT BR3 4TS
0208 778 7061

Safety data-sheet (91/155 EEC)

Printed 04.03.2004

Revision 04.03.2004

elma rotol

1. Identification of the substance/preparation

Name of product elma rotol

Manufacturer/distributor ELMA Hans Schmidbauer GmbH & Co KG
Kolpingstr. 1-7, D-78224 Singen (Htwl.)
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Emergency advice Vergiftungs-Informations-Zentrale Freiburg
Phone +49 761 19240

Recommended intended purpose(s)
Polishing concentrate for polishing or grinding drum.

2. Composition/information on ingredients

Chemical characterization

Aqueous, mildly alkaline mixture of fatty acid alkanol amides and amines.

Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
000111-42-2	203-868-0	fatty acid diethanolamide	60 - 85	Xi R36/38
		2,2'-iminodiethanol	15 - 30	Xn R22-48/22; Xi R38-41

Additional advice

Polishing agent. Application: Mixture of about 0,5% concentrate with 99,5% water. Recommendation: First dilute with demineralized water 1:5, then dilute this solution with tap water further up to 1:35.

3. Special hazards information for man and environment

R-phrases

38 Irritating to skin.
41 Risk of serious damage to eyes.
48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Special hazards information for humans and environment

Harmful if swallowed.

4. First aid measures

General information

Remove contaminated clothing immediately and dispose of safely.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.
Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.
Refer to medical treatment.
If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse out mouth thoroughly with water.

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5. Fire-fighting measures

Suitable extinguishing material

Water
Foam
Dry powder
Carbon dioxide

Special exposure hazards arising from the substance, combustible products or resulting gases

In the event of fire the following can be released:

Nitrogen gases (NO_x)

Special protective equipment for firefighters

Do not inhale explosion and/or combustion gases.

6. Accidental release measures

Personal precautions

Use personal protection.

High risk of slipping due to leakage/spillage of product.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

After taking up the material dispose according to regulation.

7. Handling and storage

Advice on safe handling

Open and handle container with care!

Requirements for storage rooms and vessels

Keep only in original container.

Advice on storage compatibility

Do not store with oxidizing agents.

Further information on storage conditions

Keep locked up, out of reach of children.

Keep container dry and tightly closed.

Do not store at temperature above 25°C (=77°F).

Protect from sun.

Keep under lock and key or accessible only to specialists or people authorized by them.

Do not keep at temperatures below 5°C.

Information on storage stability

Storage time: 3 years.

8. Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
000111-42-2	2,2'-iminodiethanol	MAK	15 E		20,H, u.D.

Hand protection

chemical-resistant gloves

Glove material specification [make/type, thickness, permeation time/life]: Butyl, 0,5mm, >=8h.

Glove material specification [make/type, thickness, permeation time/life]: NBR, 0,35mm, >=8h.

Glove material specification [make/type, thickness, permeation time/life]: FKM, 0,4mm, >=8h.

Glove material specification [make/type, thickness, permeation time/life]: NR, 0,5mm, >=8h.

Glove material specification [make/type, thickness, permeation time/life]: PVC, 0,5mm, >=8h.

Eye protection

tightly fitting goggles

Hygiene measures

Provide washing facilities at the place of work.

Keep away from food and drink.

9. Physical and chemical properties

Form
viscous

Colour
yellow

Odour
similar to amine

Data relevant for safety

	Value	Temperature	at	Method	Remark
pH value in delivery state	10,2	20 °C			
starts to boil	>= 100 °C				
starts to melt	>= 0 °C				
Flash point	> 150 °C			DIN 51758	
Density	1,00 g/cm3	20 °C			
Solubility in water					miscible
Viscosity 1	1500 mPa*s	20 °C		Brookfield	

Oxidizing properties

no

Explosive properties

no

10. Stability and reactivity

Conditions to avoid

Reactions with acids.

Materials to avoid

Reactions with oxidising agents.

Hazardous decomposition products

Nitrous gases

11. Toxicological information

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	irritant			
Irritability eye	irritant - risk of strong eye injuries			

Experiences made from practice

Has a degreasing effect on the skin.

12. Ecological information

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	100 %	COD decrease	Activated charcoal adsorption	
Biological degradability	> 90 %			readily degradable

Additional ecological information

	Value	Method	Remark
COD	2,4 gO2/g		
AOX	The product does not contain any organically bound halogens according to the recipe.		

General regulation

Do not discharge product unmonitored into the environment.

13. Disposal considerations

Waste code No.

20 01 29*

Name of waste

detergents containing dangerous substances

Recommendations for the product

Remove in accordance with local official regulations.

Product rests: send for disposal, e.g. special waste incineration.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleaning may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

Recommended cleansing agent

Water

14. Transport information

Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)

Remarks

No hazardous material as defined by the prescriptions.

Marine transport IMDG/GGV See

Remarks

No hazardous material as defined by the prescriptions.

Air transport ICAO/IATA

Remarks

No hazardous material as defined by the prescriptions.

15. Regulatory information

Remarks for classification

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Classification

Xn Harmful

R-phrases

38 Irritating to skin.
41 Risk of serious damage to eyes.
48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

S-phrases

2 Keep out of the reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.

Hazardous ingredients for labeling

2,2'-iminodiethanol

VOC standard

VOC content 0 %

6. Other information

Further information

These data are given according to our actual knowledge about this product. This data sheet does not correspond to an assurance by virtue of a contract for properties of the product.

Sources of key data used

Own measurements.

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 22 Harmful if swallowed.
R 36/38 Irritating to eyes and skin.
R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.
R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.