



Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)

Printed 16.07.2012
revision 16.07.2012 (GB) Version 1.2

elma tec clean N1

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

Product identifier

Name of product

elma tec clean N1

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

Identified uses

! Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

! Product categories [PC]

PC35 - Washing and cleaning products (including solvent based products)

! Process categories [PROC]

PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC13 - Treatment of articles by dipping and pouring

! Environmental release categories [ERC]

ERC8a - Wide dispersive indoor use of processing aids in open systems

Recommended intended purpose(s)

Neutral cleaning concentrate.

Details of the supplier of the safety data sheet

Manufacturer/distributor

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Emergency advice

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! SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

! Additional hints

The product is not classified as dangerous according to Directives 67/548/EEC or 1999/45/EC.

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

! Additional hints

The product is not classified as dangerous according to Regulation (EC) 1272/2008 [GHS].



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Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

! Special rules for supplemental label elements for certain mixtures

Safety data sheet available on request.

Other hazards

Aquatic Acute 3 H402: Harmful to aquatic life.

PBT/vPvB: see chapter 12.

! SECTION 3: Composition/ information on ingredients

Mixtures

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
26027-37-2		C18-fatty acid monoethanolamide, ethoxylated	< 5	C R34
34590-94-8	252-104-2	(2-methoxymethylethoxy)-propanol	5 - 15	
	932-051-8	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	5 - 15	Xi R41-38
68891-38-3	500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	5 - 15	Xi R41-38

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
26027-37-2		C18-fatty acid monoethanolamide, ethoxylated	< 5	Skin Corr. 1B, H314 / Eye Dam. 1, H318
34590-94-8	252-104-2	(2-methoxymethylethoxy)-propanol	5 - 15	
	932-051-8	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	5 - 15	Skin Irrit. 2, H315 / Eye Dam. 1, H318
68891-38-3	500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	5 - 15	Skin Irrit. 2, H315 / Eye Dam. 1, H318

REACH

CAS No	Name	REACH registration number
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	01-2119565112-48
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	01-2119488639-16

Description

Aqueous concentrate from anionic and nonionic surfactants, complexing agent and solvent.

! SECTION 4: First aid measures

Description of first aid measures

! In case of skin contact

In case of contact with skin wash off immediately with plenty of water.



In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

Give water to drink in small sips.

Most important symptoms and effects, both acute and delayed

! Physician's information / possible symptoms

No further informations available.

Indication of any immediate medical attention and special treatment needed

! Treatment (Advice to doctor)

No further informations available.

! SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

water

Product does not burn, fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

ABC powder

Gaseous fire-extinguishing substance

Carbon dioxide

Extinguishing media which must not be used for safety reasons

no

Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

In the event of fire the following can be released:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Sulphur dioxide (SO₂)

Advice for firefighters

! Special protective equipment for fire-fighters

Do not inhale explosion and/or combustion gases.

! SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protection.

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

Environmental precautions

Do not discharge into surface waters/groundwater.

Methods and material for containment and cleaning up

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

Flush away residues with water.

After taking up the material dispose according to regulation.



Reference to other sections

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

! SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

Take the usual precautions when handling with chemicals.

! Advice on protection against fire and explosion

The product is not combustible.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in original container.

! Further information on storage conditions

Keep container tightly closed.

Keep locked up, out of reach of children

Protect from heat and direct solar radiation.

Keep in a cool place.

Do not keep at temperatures below 5 °C.

Information on storage stability

Storage time: 5 years.

Specific end use(s)**! Recommendation(s) for intended use**

no further

! SECTION 8: Exposure controls/personal protection**Control parameters****Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
34590-94-8	(2-methoxymethylethoxy)-propanol	8 hours	308	50	skin

Exposure controls**Eye protection**

tightly fitting goggles

General protective measures

Avoid contact with eyes and skin

Hygiene measures

Provide washing facilities at place of work.

! SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties****Form**

liquid

Colour

light beige

Odour

mild



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Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	9	20 °C			
boiling range	> 100 °C				
solidifying range	-5 °C				
Flash point					No flash point below 100 °C.
Flammable solid	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Autoignition	no				
Lower explosion limit	1,1 Vol-%				information concern solvent
Upper explosion limit	14 Vol-%				information concern solvent
Vapour pressure	ca. 23 hPa	20 °C			
Density	1,07 g/cm ³				
Rel. vapour density	5,12				Dates refer to solvent.
Solubility in water					miscible
Partition coefficient (log p_{OW})	0,3	23 °C			Value of Alcohols, C12-14, ethoxylated, sulfates, sodium salts.
Viscosity	not determined				
Solvent concentration	5 - 15 %				
Oxidizing properties	no				
Explosive properties	no				
Other information	No further relevant informations available.				



! SECTION 10: Stability and reactivity

Reactivity

No hazardous reactions known if used as directed.

Chemical stability

Stable at ambient temperature.

Possibility of hazardous reactions

No hazardous reactions known.

Conditions to avoid

Heat and direct solar radiation.

Incompatible materials

! Materials to avoid

No hazardous reactions known.

Hazardous decomposition products

No decomposition if used as directed.

! SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 5000 mg/kg		calculated	
LD50 acute dermal	> 5000 mg/kg		ATE (acute toxicity estimate)	
LC50 acute inhalation	> 50 mg/l ()		ATE (acute toxicity estimate)	vapours
Irritability skin	non-irritant		OECD 439	
Irritability eye	low irritant - no labeling duty	rabbit eye	OECD 405	
Skin sensitization	non-sensitizing			

Experiences made from practice

Has a degreasing effect on the skin.

! SECTION 12: Ecological information

Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 19,5 mg/l		calculated	
Daphnia	EC50 36 mg/l		calculated	
Algae	EC50 90 mg/l		calculated	



Persistence and degradability

Biological degradability > 90 % DOC decrease calculated Biodegradable

Bioaccumulative potential

not available

Mobility in soil

not available

Results of PBT and vPvB assessment

The product does not contain any PBT-/vPvB-substances according to the recipe.

Other adverse effects

No further relevant informations available.

Additional ecological information

	Value	Method	Remark
COD	526 mgO ₂ /g	DIN ISO 15705	

AOX The product does not contain any organically bound halogens according to the recipe.

! General regulation

The surfactants in our product meet the criteria for biodegradation as laid down in Annex III of the Regulation (EC)

No 648/2004 on detergents.

Harmful to aquatic life.

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

Waste treatment methods

Waste code No.

20 01 30

Name of waste

detergents other than those mentioned in 20 01 29

Recommendations for the product

Product is allowed to discharge into sewage treatment plants, but in accordance with official regulations.

Recommendations for packaging

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

Recommended cleansing agent

Water

! SECTION 14: Transport information

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No hazardous material as defined by the prescriptions.

Air transport ICAO/IATA-DGR

No hazardous material as defined by the prescriptions.

Special precautions for user

no

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

not relevant



! SECTION 15: Regulatory information

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

VOC standard

VOC content 6 %

Chemical Safety Assessment

For this mixture a chemical safety assessment were not carried out.

! SECTION 16: 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.

Indication of changes: "!" = Data changed compared with the previous version.

Sources of key data used

Own measurements.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 34 Causes burns.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.