

perma-tec GmbH & Co.KG

Revised: 14.04.2004

01. Identification of the substance / preparation and of the company

Product: perma CLASSIC/ FUTURA with citric acid
Use: Lubricant donator
Company: perma-tec GmbH & Co.KG
Hammelburger Straße 21
97717 Euerdorf
Deutschland
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02. Composition / Information on ingredients

Substance	EINECS/ELINCS	CAS	Range [%]	Symbol / R-phr.
Citric acid	201-069-1	77-92-9	1-<20	Xi 36
Ethylene glycol	203-473-3	107-21-1	25-<40	Xn 22
N-(2-hydroxyethyl)-ethylene diamintriacetic acid, trisodium salt	205-381-9	139-89-9	1-<20	Xi 36
The contained dangerous contents materials are not freely available with foreseeable use.				

03. Hazards identification

The structural design of the housing prevents release of the hazardous media contained therein when the unit is used for its intended purpose.

04. First aid measures

General information Not applicable.
Inhalation Not applicable.
Skin contact In case of contact with skin wash off immediately with soap and water.
Eye contact In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion Not applicable.
Advice to doctor Treat symptomatically.

05. Fire-fighting measures

Suitable extinguishing media Water spray jet. Dry powder. Carbon dioxide. Foam.
Extinguishing media that must not be used Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products Risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters Use self-contained breathing apparatus.
Additional information Cool containers at risk with water spray jet.

06. Accidental release measures

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Personal precautions	Not applicable.
Environmental precautions	Not applicable.
Methods for cleaning up/taking up	Take up mechanically. Dispose of absorbed material in accordance with the regulations.

07. Handling and storage

Advice on safe handling	No special measures necessary if used correctly.
Advice on protection against fire and explosion	No special measures necessary.
Requirements for storage rooms and vessels	No special measures required.
Advice on storage compatibility	Not applicable.
Further information on storage conditions	Keep container tightly closed.

08. Exposure controls / personal protection

Additional advice on system design Not applicable.

Ingredients with occupational exposure limits to be monitored:

Substance	Value:
Ethylene glycol	LTEL: 52mg/m ³ STEL: 104mg/m ³ (Vapour, New IOELV, Sk, 14/3,88)

LTEL: Long-term exposure limit, STEL: Short-term exposure limit

Respiratory protection	Not applicable.
Hand protection	Suitable protective gloves: Butyl rubber, >120 min (EN 374)
Eye protection	Not applicable.
Skin protection	Not applicable.
General protective measures	Avoid contact with eyes.
Hygiene measures	Wash hands before breaks and after work.
Delimitation and monitoring of the environmental exposition	Not determined.

09. Physical and chemical properties

Form:	Capsule	Density [g/ml]:	Not determined.
Colour:		Bulk density [kg/m³]:	
Odour:		Solubility in water:	Not applicable.
pH-value:	Not applicable.	Partition coefficient: n-octanol / water:	Not determined.
Boiling point [°C]:	Not applicable.	Viscosity:	Not applicable.
Flash point [°C]:	Not applicable.	Relative vapour density determined in air:	Not applicable.
Flammability:	Not applicable.	Evaporation speed:	Not applicable.
Lower explosion limit:	Not applicable.	Melting point [°C]:	Not applicable.

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Upper explosion limit:	Not applicable.	Autoignition temperature:	Not applicable.
Combustible properties:	No.	Decomposition temperature: [°C]	Not applicable.
Vapour pressure [kPa]:	Not determined.		

10. Stability and reactivity

Hazardous reactions	No hazardous reactions known.
Hazardous decomposition products	No hazardous decomposition products known.

11. Toxicological information

Acute oral toxicity OECD 401	LD50 Rat :
	LD50 Mouse :
Acute dermal toxicity OECD 402	LD50 Rabbit :
Acute inhalational toxicity OECD 403	LC50 Guinea pig :
Irritant effect on eye OECD 405	Not applicable.
Irritant effect on skin OECD 404	Not applicable.
Sensitization / Validation OECD 406	Not applicable.
Subacute toxicity	Not applicable.
Chronic toxicity	Not applicable.
Mutagenicity / validation	Not applicable.
Reproduction toxicity / Validation	Not applicable.
Carcinogenicity / Validation	Not applicable.
Experiences made in practice	None.
General remarks	No toxicological data are available. The product was classified on the basis of the calculation procedure of the preparation directive.

12. Ecological information

Fish toxicity	Not applicable.
Behaviour in environment compartments	Not applicable.
Behaviour in sewage plant	Not applicable.
Bacteria toxicity	Not applicable.
Biological degradability	Not applicable.
Chemical oxygen demand (COD)	
Biochemical oxygen demand (BOD5)	
AOX-advice	Not applicable.
Contains compounds of 76/464/EC	Not applicable.

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General information

Ecological data are not available.

13. Disposal considerations

Disposal / Product	Dispose of as hazardous waste.
Waste no. (recommended)	150110*
Disposal / Contaminated packaging	Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of as for product.

14. Transport information

Classification according to ADR:

ADR-Class:	not classified as Dangerous Goods
Declaration:	
Labelling:	
Factor, ADR 1.1.3.6:	
Hazard-no:	
Label:	
LQ, ADR 3.4.6:	

Classification according to IMDG:

IMDG-Code-Class:	
Declaration:	not classified as Dangerous Goods
Labelling:	
EmS:	
Label:	
LQ, [l/kg]:	

Classification according to IATA:

IATA-DGR-Class:	not classified as Dangerous Goods
Declaration:	
Labelling:	
Label:	

15. Regulatory information

Labelling	This preparation is a product and therefore it does not require labelling according to EC directives/GefStoffV.
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Hazard symbols

The structural design of the housing prevents release of the hazardous media contained therein when the unit is used for its intended purpose.

Special labelling for certain preparations

Not applicable.

National regulations

Not applicable.

16. Other informations

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R phrases (Information on ingredients - 02)

R 22: Harmful if swallowed.

R 36: Irritating to eyes.

Regulatory information

- * 91/155 (2001/58)
- * 67/548 (2001/59)
- * 1999/45 (2001/60)
- * 91/689 (2001/118)
- * 89/542
- * ADR (2003)
- * IMDG-Code (31.Amdt.)
- * IATA-DGR (2003)

Modified position:

Not applicable.