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Safety Data Sheet

Friscolyte C electrolyte

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

Use of the substance/ preparation	Electrolyte solution.
Chemical characterization	Mixture of inorganic salts.
Product code	n.a.
Supplier	Mettler-Toledo AG Im Hackacker 15 CH-8902 Urdorf Switzerland Phone: +41-44-729 62 11 Fax: +41-44-729 66 36
Emergency telephone number	+41-44-251 51 51 (Tox Center)
Revision Date	04.07.2006
Number	2

2. Composition / information on ingredients

Hazardous components	The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to OSHA and EC directives. Contains: Glycerol (CAS no 56-81-5): > 50% Potassium chloride (CAS no 7447-40-7): < 10% Balance: water
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3. Hazards identification

None.
NFPA Ratings (Scale 0-4):
HEALTH=0
FLAMMABILITY=0
REACTIVITY=0
SPECIAL=0

HMS Ratings (Scale: 0=Minimal 1=Slight 2=Moderate
3=Serious 4=Severe):
HEALTH=0
FLAMMABILITY=0
REACTIVITY=0
PROT. EQUIPMENT=A (Safety Glasses)

WHMIS:
no Hazard class

4. First aid measures

Inhalation	Not hazardous by inhalation.
Skin contact	Wash hands with water as a precaution.
Eye contact	Flush eyes with water as a precaution.
Ingestion	Rinse mouth.

5. Fire-fighting measures

Suitable extinguishing media	No special measures required.
Specific hazards	The product is not flammable.

6. Accidental release measures

Personal precautions	No special measures required.
Environmental precautions	Do not flush into surface water.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces with water.

7. Handling and storage

Handling	No special precautions required.
Storage	Keep out of reach of children. Store at room temperature in the original container.

8. Exposure controls / personal protection

Engineering measures to reduce exposure	General industrial hygiene practice.
Personal protection equipment: Respiratory protection	No personal respiratory protective equipment normally required.
Eye protection	Avoid contact with eyes.

9. Physical and chemical properties

Form	Liquid.
Colour	Colourless.
Odour	None.
Physical and chemical properties	pH: 6.4 Boiling point/range: 212 °F (~100 °C) Relative density: 1.2 g/ml Flash point: does not ignite Water solubility: completely soluble Viscosity approx. 50 mPa.s

10. Stability and reactivity

Stability	No decomposition if stored and applied as directed.
Hazardous decomposition products	None reasonably foreseeable.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Glycerol:

RTECS: MA8050000

LD50/oral/rat = 12600 mg/kg.

LD50/intravenous/rat = 5560 mg/kg.

LD50/oral/mouse = 4090 mg/kg.

LD50/oral/rabbit = 27 g/kg.

LD50/skin/rabbit > 10 g/kg.

Potassium chloride:

RTECS: TS8050000

LD50/oral/rat = 2600 mg/kg.

LD50/intravenous/rat = 142 mg/kg.

LD50/oral/mouse = 1500 mg/kg.

LD50/intravenous/mouse = 117 mg/kg.

Local effects

No data is available on the product itself.

Long term toxicity

None.

Further information

The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to OSHA and EC directives.

12. Ecological information

Persistence / degradability

Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

13. Disposal considerations

Waste from residues / unused products

Can be disposed as wastewater, when in compliance with local regulations. European Waste catalogue code (EWC-code): 06 03 04.

Contaminated packaging

Clean container with water. Empty containers should be taken to local recyclers for disposal.

14. Transport information

Further information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

Glycerol:

ACGIH TLV-TWA 10 MG/M3 DTLVS* TLV/BEI,1999
EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION
FEREAC 54,7740,1989
MSHA STANDARD:NUISANCE PARTICULATES (MIST) DTLWS* 3,20,1973
OSHA PEL (GEN INDU):8H TWA 15 MG/M3, TOTAL DUST
CFRGBR 29,1910.1000,1994
OSHA PEL (GEN INDU):8H TWA 5 MG/M3, RESPIRABLE FRACTION
CFRGBR 29,1910.1000,1994
OSHA PEL (CONSTRUC):8H TWA 15 MG/M3, TOTAL DUST
CFRGBR 29,1926.55,1994
OSHA PEL (CONSTRUC):8H TWA 5 MG/M3, RESPIRABLE FRACTION
CFRGBR 29,1926.55,1994
OSHA PEL (SHIPYARD):8H TWA 15 MG/M3, TOTAL DUST
CFRGBR 29,1915.1000,1993
OSHA PEL (SHIPYARD):8H TWA 5 MG/M3, RESPIRABLE FRACTION
CFRGBR 29,1915.1000,1993
NOHS 1974: HZD 35085; NIS 358; TNF 86657; NOS 198; TNE 1085329
NOES 1983: HZD 35085; NIS 310; TNF 67054; NOS 215; TNE 2135546; TFE 1346631
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

Potassium chloride:

NOHS 1974: HZD 60360; NIS 97; TNF 14471; NOS 88; TNE 122749
NOES 1983: HZD 60360; NIS 147; TNF 16061; NOS 125; TNE 387624; TFE 175287
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001



METTLER TOLEDO

Regulatory Information

NFPA Ratings (Scale 0-4):

HEALTH=0

FLAMMABILITY=0

REACTIVITY=0

SPECIAL=0

HMIS Ratings (Scale: 0=Minimal 1=Slight 2=Moderate
3=Serious 4=Severe):

HEALTH=0

FLAMMABILITY=0

REACTIVITY=0

PROT. EQUIPMENT=A (Safety Glasses)

WHMIS:

no Hazard class

Symbol(s)

None.

R-phrases(s)

None.

S-phrase(s)

S1/2: Keep locked-up and out of reach of children.

16. Other information**Recommended use**

For industrial application only.

End use

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
