

## Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 16.09.2020

Product: **ELECTROSOL M3**

Version: 1.0

(30722287/SDS\_GEN\_NZ/EN)

Date of print 25.09.2020

### 1. Substance/preparation and manufacturer/supplier identification

#### **ELECTROSOL M3**

Recommended use: Detergents, Restricted to professional users.

Not recommended use: None known

Manufacturer/supplier:

Chemetall (New Zealand) Ltd  
664 Rosebank Road Avondale,  
Auckland 1026  
NEW ZEALAND  
Telephone: 008 837 464, +64 9 820 3888  
Telefax number: +64 9 820 3979  
E-mail address: nzadmin@basf.com

Emergency information:

Telephone: 0800 734 607

### 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Aspiration hazard: Cat. 1

Carcinogenicity: Cat. 2

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Hazardous to the aquatic environment - chronic: Cat. 2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P202	Do not handle until all safety precautions have been read and understood.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391	Collect spillage.
P331	Do NOT induce vomiting.
P308 + P313	IF exposed or concerned: Get medical attention.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332 + P313	If skin irritation occurs: Get medical attention.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

## Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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## Other hazards which do not result in classification:

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. If applicable information is provided in this

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section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

organic

#### Hazardous ingredients

Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha

Content (W/W): $\geq 30\%$ - $< 50\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-82-1	Flam. Liq.: Cat. 3
	STOT SE (Central nervous system): Cat. 3 (drowsiness and dizziness)
	Aquatic Chronic: Cat. 2

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

Content (W/W): $\geq 20\%$ - $< 25\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3
	STOT SE (Respiratory system): Cat. 3 (by inhalation, irr. to respiratory syst.)
	Aquatic Chronic: Cat. 2

Tetrachloroethylene

Content (W/W): $\geq 30\%$ - $< 50\%$	Carc.: Cat. 2
CAS Number: 127-18-4	Aquatic Chronic: Cat. 2

Dichloromethane; Methylene Chloride

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Skin Corr./Irrit.: Cat. 2
CAS Number: 75-09-2	Carc.: Cat. 2
	STOT SE (Central nervous system): Cat. 3 (drowsiness and dizziness)
	Eye Dam./Irrit.: Cat. 2A

### 4. First-Aid Measures

General advice:

Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. Remove affected person from danger area.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

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**On contact with eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required. Remove contact lenses, if present.

**On ingestion:**

Rinse mouth thoroughly with water, seek medical attention. Do not induce vomiting. Summon medical aid without delay.

**Note to physician:**

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: If swallowed, in the event of vomiting, risk of product entering the lungs. When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

carbon oxides, chlorine compounds

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Use personal protective clothing. Avoid breathing vapours. Keep away from sources of ignition. Ensure adequate ventilation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

**Environmental precautions:**

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide basic employee training to prevent/minimize exposures. Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

### Storage

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep in a cool, well-ventilated place. Protect from frost. Avoid direct sunlight.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha, 64742-82-1;

TWA value 100 ppm (ACGIHTLV)

TWA value 525 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified, 64742-95-6;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

Tetrachloroethylene, 127-18-4;

TWA value 25 ppm (ACGIHTLV)

STEL value 100 ppm (ACGIHTLV)

Skin Designation (OEL (NZ))

Skin absorption can be significant.

STEL value 271 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))

TWA value 136 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))

Dichloromethane; Methylene Chloride, 75-09-2;

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TWA value 50 ppm (ACGIHTLV)  
TWA value 174 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

In situations where splashes or fine aerosols may form use appropriate certified respirators. (Gas filter EN 14387 A)

##### Hand protection:

Chemical resistant protective gloves (EN 374)  
nitrile rubber (Buna N)

Further information on penetration time is available from the manufacturer of the glove.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

##### Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

##### General safety and hygiene measures:

Avoid exposure - obtain special instructions before use. Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	colourless
pH value:	not applicable
Melting point:	not determined
onset of boiling:	> 40 °C
Flash point:	not applicable
Flammability (solid/gas):	not applicable
Lower explosion limit:	not determined
Ignition temperature:	not determined

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Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.000 g/cm <sup>3</sup> (20 °C)
Solubility in water:	insoluble
Miscibility with water:	immiscible
Viscosity, kinematic:	6.0 mm <sup>2</sup> /s (20 °C)
	(40 °C) not determined
Flow time:	< 30 s (DIN EN ISO 2431; 3 mm)

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## 10. Stability and Reactivity

Conditions to avoid:  
Avoid direct sunlight.

Substances to avoid:  
No substances known that should be avoided.

Hazardous reactions:  
None known

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Based on available Data, the classification criteria are not met.

### Irritation

Assessment of irritating effects:

Based on the ingredients, there is no suspicion of an irritating effect.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available Data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available Data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available Data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available Data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available Data, the classification criteria are not met.

### **Aspiration hazard**

May also damage the lung at swallowing (aspiration hazard).

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Toxic to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.



## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
No data available concerning biodegradation and elimination.

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

Observe national and local legal requirements.

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## 14. Transport Information

### Domestic transport:

Packing group: III  
ID number: UN 3082  
Transport hazard class(es): 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha)

### Further information

Hazchem Code:3Z  
IERG Number:47

### Sea transport

IMDG

Packing group: III  
ID number: UN 3082  
Transport hazard class(es): 9, EHS  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha)

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**Air transport**

IATA/ICAO

Packing group:	III
ID number:	UN 3082
Transport hazard class(es):	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha)

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002531  
Cleaning Products (Toxic [6.7]) Group Standard 2017

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.