

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.07.2025

Version number 5 (replaces version 4)

Revision: 24.07.2025

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

· **1.1 Product identifier**

· **Trade name:** DRY FIX

· **Article number:** G04-014/015/021

· **UFI:** 8R50-U0QJ-V00X-YAY3

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

· **Life cycle stages** PW Widespread use by professional workers

· **Product category** PC35 Washing and cleaning products (including solvent based products)

· **Application of the substance / the mixture** Spotting agent for industrial laundry

· **Uses advised against** Any use other than those identified is not recommended.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

G.B.M. Elettrochimica s.r.l.

via Fiumicino S. Mauro 120/130 - 47039 Savignano sul Rubicone (FC)

tel. 0541/930058 - Fax 0541/810218

www.gbprodottichimici.it - E-mail gbm@prodottichimici.it

· **Further information obtainable from:** info@gbprodottichimici.it

· **1.4 Emergency telephone number:** G.B.M. Elettrochimica srl - Tel. +39 0541 930058 (office hours)

### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Precautionary statements**

P302+P352 IF ON SKIN: Wash with plenty of water.

· **Additional information:**

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

· **Regulation (EC) No 648/2004 on detergents / Indication of content**

anionic surfactants, non-ionic surfactants, phosphonates

<5%

perfumes (LINALOOL, Hexyl cinnam-aldehyde), preservation agents (Methylchloroisothiazolinone, Methylisothiazolinone)

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** According to the available data, the product does not contain any PBT substances in a proportion  $\geq 0.1\%$ .

· **vPvB:** According to the available data, the product does not contain vPvB substances in a proportion  $\geq 0.1\%$ .

· **Determination of endocrine-disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or more;

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

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### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

#### · **Dangerous components:**

CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16-0009	Alchil etere solfato C12-14, sale sodico  Eye Dam. 1, H318;  Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 %	1-2%
CAS: 55965-84-9 Index number: 613-167-00-5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331;  Skin Corr. 1B, H314;  Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100);  Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 100 mg/kg LD50 dermal: 300 mg/kg LC50/4 h inhalative: 3 mg/l Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.01%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · **General information:**

Not specifically required. In any case, compliance with the rules of good hygiene is recommended.

· **IF INHALATED:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Rinse with warm water.

· **After eye contact:** Rinse opened eye for several minutes under running water.

##### · **After swallowing:**

Rinse out mouth and then drink plenty of water.

If ingested do not induce vomiting, seek medical assistance showing the safety data sheet or the hazard label

#### · 4.2 Most important symptoms and effects, both acute and delayed

No specific information is known on symptoms and effects caused by the product

#### · 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

· **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

##### · **For safety reasons unsuitable extinguishing agents:**

Do not use water jets that can cause the spread and extension of fire.

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- **5.2 Special hazards arising from the substance or mixture**

*In case of fire, the following can be released:*

*Carbon monoxide (CO)*

*Nitrogen oxides (NOx)*

*Under certain fire conditions, traces of other toxic gases cannot be excluded.*

- **5.3 Advice for firefighters**

- **Protective equipment:**

*As in any fire, wear self-contained breathing apparatus and appropriate protective clothing including gloves and eye / face protection.*

*See Section 8 for information on personal protection equipment.*

- **Additional information**

*Do not inhale gases resulting from explosions and fires. Cool containers with jets of water to prevent decomposition of the product and the development of substances potentially hazardous to health.*

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

*See Section 8 for information on personal protection equipment.*

- **For non-emergency personnel**

*Provide adequate ventilation and move away from the danger area. For personal protection, see section 8.*

- **For emergency responders**

*The intervention personnel must wear appropriate personal protective equipment (overalls, gloves, goggles and dust mask). Keep non-emergency personnel away from the affected area.*

- **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*

- **6.3 Methods and material for containment and cleaning up:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

*Send for recovery or disposal in suitable receptacles.*

- **6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

*You should follow the usual precautions for handling chemical products*

*See Section 8 for information on personal protection equipment.*

- **Information about fire - and explosion protection:** *Emergency cooling must be available in case of nearby fire.*

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** *Store only in the original receptacle.*

- **Information about storage in one common storage facility:** *Not required.*

- **Further information about storage conditions:** *Store in cool, dry conditions in well sealed receptacles.*

- **7.3 Specific end use(s)** *No further data; see section 1.2.*

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### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

**CAS: 68891-38-3 Alchil etere solfato C12-14, sale sodico**

Oral	Long term, systemic effect	15 mg/kg (general population)
Dermal	Long term, systemic effect	1,650 mg/kg (general population) 2,750 mg/kg (professional workers)
Inhalative	Long term, systemic effect	52 mg/m <sup>3</sup> (general population) 175 mg/m <sup>3</sup> (professional workers)

· **PNECs**

**CAS: 68891-38-3 Alchil etere solfato C12-14, sale sodico**

PNEC	5.45 mg/kg (fresh water sediments) 0.545 mg/kg (marine water sediments)
PNEC	0.24 mg/l (freshwater) 0.024 mg/l (marine water)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Hand protection** The use of gloves is recommended as a preventive measure

· **Material of gloves**

Nitrile rubber, NBR

Neoprene gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

Breakthrough time: > = 480 min - Material thickness: > = 0.7 mm

Breakthrough time: > = 60 min - Material thickness: > = 0.5 mm

Breakthrough time: > = 30 min - Material thickness: > = 0.2 mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Goggles recommended during refilling

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· **Environmental exposure controls** Observe safety measures related to the environment; refer to Section 6.2.

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· <b>Physical state</b>	Liquid
· <b>Colour:</b>	Yellow
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	0 °C
	Not relevant for product characterisation.
· <b>Boiling point or initial boiling point and boiling range</b>	100 °C
· <b>Flammability</b>	Non-flammable (mixture in aqueous solution).
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not applicable (the product has no explosive properties).
· <b>Upper:</b>	Not applicable (the product has no explosive properties).
· <b>Flash point:</b>	Not applicable.
· <b>Auto-ignition temperature:</b>	Not applicable. The product has no flammable properties.
· <b>Decomposition temperature:</b>	Not determined as not relevant for product characterisation.
· <b>pH at 20 °C</b>	7.5 - 8.5
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Soluble.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

#### · 9.2 Other information

· <b>Appearance:</b>	
· <b>Form:</b>	Liquid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Evaporation rate</b>	Not determined.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No hazardous reactions when stored and handled according to instructions
- **10.2 Chemical stability** The product is stable under normal conditions of use and storage

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- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Excessive variations in temperature, below 0 ° C and above 40 ° C
- **10.5 Incompatible materials:** No hazardous reactions
- **10.6 Hazardous decomposition products:**  
When heated or in case of fire can release gases and vapors which are dangerous to health.  
carbon monoxide, carbon dioxide  
Nitrogen oxides (NOx)  
No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

**CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4 h	3 mg/l (ATE)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or more;

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**CAS: 68891-38-3 Alchil etere solfato C12-14, sale sodico**

EC50	10-100 mg/l (algae) (Durata 72 h)
	1-10 mg/l (daphnia) (Durata 48 h)
	1-10 mg/l (fish)

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- **12.2 Persistence and degradability**

*Easily biodegradable*

*The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.*

- **Other information:** *The product is easily biodegradable.*

- **12.3 Bioaccumulative potential** *Non significant accumulation in organisms*

- **12.4 Mobility in soil** *No further relevant information available.*

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** *According to the available data, the product does not contain any PBT substances in a proportion  $\geq 0.1\%$ .*

- **vPvB:** *According to the available data, the product does not contain vPvB substances in a proportion  $\geq 0.1\%$ .*

- **12.6 Endocrine disrupting properties**

*The substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or more;*

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

*Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*

*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

*Do not discard the product or its packaging. Do not empty into drains. Recycle the product. When recycling is not possible, dispose through an authorized company in compliance with the local or national regulations. The assignment of the waste code is the user's responsibility, after determining the properties of the waste and the process generating it and after discussing it with the authorities responsible for disposal.*

- **Uncleaned packaging:**

- **Recommendation:**

*Empty the containers before disposal. Do not reuse the emptied containers. Send the empty containers to recycling or to an authorized company in compliance with local and national regulations.*

- **Recommended cleansing agents:** *Water.*

### SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, ADN, IMDG, IATA**

Void

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA**

Void

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class**

Void

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· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Safety data sheet prepared in accordance with Regulation 1907/2006/EC Article 31, Regulation (EU) No 878/2020 as subsequent amendments.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Relevant phrases**

- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.

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*H400 Very toxic to aquatic life.**H410 Very toxic to aquatic life with long lasting effects.**H412 Harmful to aquatic life with long lasting effects.**EUH071 Corrosive to the respiratory tract.***• Classification according to Regulation (EC) No 1272/2008**

*As required by Regulation 1272/2008/CE art. 9, the classification of this compound is based on the calculation method taken from the data of the single substances therein and from the experimental data of this compound where available (viewable in sections 9, 11 and 12 in this document).*

*Procedure used for the classification of the mixture*

**• Version number of previous version: 4****• Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*DNEL: Derived No-Effect Level (REACH)*

*PNEC: Predicted No-Effect Concentration (REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*ATE: Acute toxicity estimate values*

*Acute Tox. 3: Acute toxicity – Category 3*

*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Skin Sens. 1A: Skin sensitisation – Category 1A*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*

*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

**• Sources**

*-Safety data sheets and data sheets of raw material suppliers.*

*-ECHA (EU), registered substances database.*

*-ECHA (EU), C&L inventory database.*

*-ECHA (EU), SVHC candidate substances.*

*-IARC (F), International Agency for Research on Cancer.*

*-ISS (I), Istituto Superiore di Sanità, Hazardous Substances Database.*

*-ACGIH (USA), American Conference of Governmental Industrial Hygienists.*

*-INRS (F), Institut National de Recherche et de Sécurité : Les Mélanges Explosifs.*

*-Ministry of the Environment (I), Ecotoxicological database on chemicals.*

*-IFA (D), Institut für Arbeitsschutz, GESTIS database on hazardous substances.*

*-ILO, International Labour Organization, International Chemical Safety Cards database.*

*-OECD, Organisation for Economic Co-operation and Development, eChemPortal database.*

*-WHO, World Health Organization, Chemical Safety Information database. -TOXNET (USA), Toxicology Data Network database.*

*-ATSDRC (USA), Agency for Toxic Substances & Disease Registry database.*

*-SCOEL Opinion for crystalline free silica (respirable dust), 2003.*

*-SCOEL Opinion for the presence of hexavalent chromium in cement, 2002.*