Revision: 25.02.2025

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.02.2025

Version number 6 (replaces version 5)

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

· 1.1 Product identifier

· Trade name: DRY 3

· Article number: G01-019/020 · UFI: YE50-T0XY-N00X-AYMU

- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Life cycle stages PW Widespread use by professional workers

· Sector of Use

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

- · 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.gbmprodottichimici.it - E-mail gbm@prodottichimici.it

- · Further information obtainable from: info @gbmprodottichimici.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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms





GHS05 GHS07

- · Signal word Danger
- · Hazard-determining components of labelling:

2-butoxyethanol

Alcoli, C12-13 ramificati e lineari, etossilati

diethylhexyl sodium sulfosuccinate

Lactic acid

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· Hazard statements

H302+H332 Harmful if swallowed or if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

· Precautionary statements

Avoid breathing spray. P261

Wear protective gloves / eye protection / face protection. P280

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

· Additional information:

· Regulation (EC) No 648/2004 on detergents / Indication of content	
non-ionic surfactants	≥15 - <30%
anionic surfactants	≥5 - <15%

· 2.3 Other hazards

· Results of PBT and vPvB assessment

According to the available data, the product does not contain any PBT substances in a proportion ≥ 0.1%.

· vPvB:

According to the available data, the product does not contain vPvB substances in a proportion ≥

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;

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36- xxxx	2-butoxyethanol Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg LC50/4 h inhalative: 3 mg/l	15-25%
CAS: 160901-19-9	Alcoli, C12-13 ramificati e lineari, etossilati	15-25%
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-	diethylhexyl sodium sulfosuccinate	5-15%
CAS: 50-21-5 EINECS: 200-018-0	Lactic acid ♦ Eye Dam. 1, H318; ♦ Skin Irrit. 2, H315	2-5%

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

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SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Rescue workers must wear the protective equipment described in section 8.2 of this safety data sheet.

· IF INHALATED:

Supply fresh air.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

· 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

Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Skin: irritation

Eyes: corrosive, corneal damage, irritation

· 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:

CO2, powder or water spray. Fight larger fires with water spray.

Use fire extinguishing methods suitable to surrounding conditions.

- · For safety reasons unsuitable extinguishing agents: None in particular
- · 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

- · 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.

Wear personal protective clothing.

See Section 8 for information on personal protection equipment.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

See Section 8 for information on personal protection equipment.

Wear protective equipment. Keep unprotected persons away.

- · 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).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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SECTION 7: Handling and storage

See Section 13 for disposal information.

· 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.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- Information about fire and explosion protection: No special measures required.
- · 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: None.
- · 7.3 Specific end use(s) No further data; see section 1.2.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

CAS: 111-76-2 2-butoxyethanol (15-25%)

OEL Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm

Skin, IOELV

| IOFLV

SKIII, TOELV

CAS: 67-63-0 propan-2-ol (0.1-<1%)

OEL Short-term value: 400 ppm

Long-term value: 200 ppm

Skin

· Regulatory information OEL: 2024 CoP for the Safety, Health and Welfare at Work

· DNELs

CAS: 111-76-2 2-butoxyethanol		
Oral	Long term, systemic effect	6.3 mg/kg bw/day (general population)
Dermal	Long term, systemic effect	75 mg/kg bw/day (general population)
		125 mg/kg bw/day (professional workers)
Inhalative	Short term, local effect	147 mg/m3 (general population)
		246 mg/m3 (professional workers)
	Short term, systemic effect	426 mg/m3 (general population)
		652 mg/m3 (professional workers)
	Long term, systemic effect	59 mg/m3 (general population)
		98 mg/m3 (professional workers)

Lungo termine, effetti sistemici 67.5 mg/Kg bw/day (professional workers)

· PNECs

CAS: 111-76-2 2-butoxyethanol

PNEC 34.6 mg/kg (fresh water sediments)

3.46 mg/kg (marine water sediments)

2.33 mg/kg (soil)

PNEC 8.8 mg/l (freshwater)

9.1 mg/l (intermittent releases)

0.88 mg/l (marine water)

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463 mg/l (sewage treatment plant)

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- · 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:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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.

Recommended thickness of the material: ≥ 0.2 mm

· 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.

Value for the permeation: Level 2/3

· Eye/face protection



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

Physical state
Colour:
Odour:
Odour threshold:
Melting point/freezing point:

Liquid

Colourless
Characteristic
Not determined.

Undetermined.

Boiling point or initial boiling point and

boiling range 100 °C

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Flammability	Not applicable.
Lower and upper explosion limit	,,
Lower:	Not applicable (the product has no explosive
	properties).
Upper:	Not applicable (the product has no explosive
oppon.	properties).
Flash point:	Not inflammable
pH	Not determined.
Viscosity:	Not determined.
Kinematic viscosity	Not determined.
	Not determined. Not determined.
Dynamic:	Not determined.
Solubility	Calubla
water:	Soluble.
Partition coefficient n-octanol/water (log	
value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Liquid
ronn. Important information on protection of hea	
	iui
and environment, and on safety.	Draduat is not colfigniting
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	00.50/
Organic solvents:	20.5 %
Water:	44.5 %
VOC (EC)	20.5 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard	
classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
	Void
Pyrophoric solids Solf hosting substances and mixtures	Void Void
Self-heating substances and mixtures	voiu
Substances and mixtures, which emit	Void
flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
	Void
Organic peroxides Corrosive to metals Desensitised explosives	Void Void

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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
- · 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:

Reducing agents, impurities, decomposition catalysts, heavy metal salts, reductants, organic solvents.

· 10.6 Hazardous decomposition products: 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

Harmful if swallowed or if inhaled.

· LD/LC50 values relevant for classification:			
ATE (Acute Toxicity Estimates)			
Oral	LD50	1,899 mg/kg	
Inhalative	LC50/4 h	15 mg/l (ATE)	
CAS: 111	-76-2 2-bu	toxyethanol	
Oral	LD50	1,200 mg/kg (ATE)	
		1,200 mg/kg (mouse)	
		1,776 mg/kg (rat)	
		mg/kg (rabbit)	
Dermal	LD50	1,000-2,000 mg/kg (rat)	
Inhalative	LC50/4 h	3 mg/l (ATE)	
		11 mg/l (rat)	
CAS: 160	901-19-9 <i>A</i>	Alcoli, C12-13 ramificati e lineari, etossilati	
Oral	LD50	500 mg/kg (ATE)	
CAS: 577	CAS: 577-11-7 diethylhexyl sodium sulfosuccinate		
Oral	LD50	mg/kg (rat)	
CAS: 50-2	CAS: 50-21-5 Lactic acid		
Oral	LD50	3,543 mg/kg (rat)	
Dermal	LD50	>2,000 mg/kg (rabbit)	
Inhalative	LC50/4 h	7.94 mg/l (rat) (esposizione 4 h)	
5	Drimony invitant offort		

- · Primary irritant effect:
- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye damage.
- · 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;

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 160901-19-9 Alcoli, C12-13 ramificati e lineari, etossilati

EC50 >10-100 mg/kg (daphnia) (Esposizione 48 h)

EC50 >10-100 mg/l (algae) (Esposizione 72 h)

- 12.2 Persistence and degradability 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 ≥ 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

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· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according IMO instruments	ng to Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	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.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · 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

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

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

Acute Tox. 4, H302 - Calculation method

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Skin Irrit. 2, H315 - Calculation method Eye Dam. 1, H318 - Calculation method

Acute Tox. 4, H332 - Calculation method

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· 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)

VOC: Volatile Organic Compounds (USA, EU) 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. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

* Data compared to the previous version altered.

- IF