

Safety Data Sheet PM-613 GOLDENFLOK

Safety Data Sheet dated 11/10/2022, version 9

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

- 1.1. Product identifier
Trade name: PM-613 GOLDENFLOK
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Water treatment.
Uses advised against:
No uses advised against.
- 1.3. Details of the supplier of the safety data sheet
Company:
BONET ESPECIALITATS HIDROQUÍMIQUES, S.L.U.
C/Holanda, 41. P.I. Pla de Llerona
Les Franqueses del Vallès (08520) (Spain)
Telf: (+34) 900 82 87 81, 93 846 53 36
Fax: (+34) 93 846 78 21
info@behqsl.com
Competent person responsible for the safety data sheet:
regulatory@behqsl.com
- 1.4. Emergency telephone number
In case of poisoning call the Spanish National Institute of Toxicology: +34 91 562 04 20

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Hazard pictograms:
None
Hazard statements:
None
Precautionary statements:
P102 Keep out of reach of children.
P262 Do not get in eyes, on skin, or on clothing.
P270 Do not eat, drink or smoke when using this product.
P312 Call a POISON CENTER if you feel unwell.
P501 Dispose of contents/container by delivery to an authorized collection point for hazardous waste in your town.
Special Provisions:
None
Special provisions according to Annex XVII of REACH and subsequent amendments:
None
- 2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

- 3.1. Substances

Safety Data Sheet PM-613 GOLDENFLOK

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 10% - < 12.5%	Cationic polymer	CAS: 26062-79-3	4.1/C3 Aquatic Chronic 3 H412

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray, dry powder, carbon dioxide, foam.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

Safety Data Sheet PM-613 GOLDENFLOK

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 Avoid contact with skin and eyes, inhalation of vapours and mists.
 Prevent entry of unauthorized persons.
 Advice on general occupational hygiene:
- 7.2. Conditions for safe storage, including any incompatibilities
 As a general storage conditions, it should be avoided sources of heat, radiation, electricity and food contact. Store according to local legislation.
 Store between 5 and 35 °C in a dry and well ventilated place.
 None in particular.
 Store into the original container. Keep the container properly sealed and labeled.
 Keep away from incompatible materials: see paragraph 10.
- 7.3. Specific end use(s)
 None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 No occupational exposure limit available
 DNEL Exposure Limit Values
 N.A.
 PNEC Exposure Limit Values
 N.A.
- 8.2. Exposure controls
 Eye protection:
 Use close fitting safety goggles, don't use eye lens.
 Protection for skin:
 No special precaution must be adopted for normal use.
 Protection for hands:
 Not needed for normal use.
 Respiratory protection:
 Not needed for normal use.
 Thermal Hazards:
 None
 Environmental exposure controls:
 None
 Appropriate engineering controls:
 None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Light yellow	--	--
Odour:	Odourless	--	--
Melting point/freezing point:	0 °C	--	--
Boiling point or initial boiling point and boiling range:	100 °C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	Not applicable	--	--
Flash point:	Not applicable (aqueous solution)	--	--
Auto-ignition temperature:	Not applicable (not	--	--

Safety Data Sheet PM-613 GOLDENFLOK

	flammable)		
Decomposition temperature:	Not available	--	--
pH:	4 - 5	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	Soluble in water in all proportions	--	--
Solubility in oil:	Not Relevant	--	--
Partition coefficient n-octanol/water (log value):	Not available	--	--
Vapour pressure:	Not available	--	--
Density and/or relative density:	1.051 - 1.076 (20 °C)	--	--
Relative vapour density:	Not available	--	--
Particle characteristics:			
Particle size:		--	--

9.2. Other information

Properties	Value	Method:	Notes:
Explosive properties:	No explosive	--	--
Evaporation rate:	Not available	--	--
Miscibility:	Not Relevant	--	--
Conductivity:	Not Relevant	--	--
Viscosity:	500 - 1000 cP (20°C)	--	--
Oxidizing properties:	Non oxidizing	--	--
Fat Solubility:	Not Relevant	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
 - Stable under normal conditions
- 10.2. Chemical stability
 - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
 - Strong alkalis and oxidizing agents.
- 10.6. Hazardous decomposition products
 - Oxides of carbon and oxides of nitrogen. Hydrogen chloride.

SECTION 11: Toxicological information

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
 - Toxicological information of the product:
 - N.A.
 - Toxicological information of the main substances found in the product:
 - Cationic polymer - CAS: 26062-79-3
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
- If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:
 - a) acute toxicity;
 - b) skin corrosion/irritation;

Safety Data Sheet PM-613 GOLDENFLOK

- c) serious eye damage/irritation;
 - d) respiratory or skin sensitisation;
 - e) germ cell mutagenicity;
 - f) carcinogenicity;
 - g) reproductive toxicity;
 - h) STOT-single exposure;
 - i) STOT-repeated exposure;
 - j) aspiration hazard.
- 11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
Cationic polymer - CAS: 26062-79-3
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia > 10 mg/l
Endpoint: LC50 - Species: Fish > 10 mg/l - Duration h: 96 - Notes: OECD 203
- 12.2. Persistence and degradability
Cationic polymer - CAS: 26062-79-3
Biodegradability: Non-readily biodegradable - Duration: 28 days - %: 70
- 12.3. Bioaccumulative potential
Cationic polymer - CAS: 26062-79-3
Bioaccumulation: Not much bioaccumulative - Test: BCF - Bioconcentration factor 0
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force. Waste should not be disposed of through the sewer.

SECTION 14: Transport information

- 14.1. UN number or ID number
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
- 14.4. Packing group
N.A.
- 14.5. Environmental hazards
Marine pollutant: No
- 14.6. Special precautions for user
N.A.
- 14.7. Maritime transport in bulk according to IMO instruments
No

Safety Data Sheet PM-613 GOLDENFLOK

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H412 Harmful to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

Paragraphs modified from the previous revision:

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

SECTION 2: Hazards identification

SECTION 7: Handling and storage

SECTION 9: Physical and chemical properties

SECTION 11: Toxicological information

SECTION 12: Ecological information

Safety Data Sheet PM-613 GOLDENFLOK

SECTION 14: Transport information

SECTION 15: Regulatory information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date.

It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.