



El Jabón Artesanal
Manuel Vicente Nievas
C/ Río Tajo nº 53
18110 Las Gabias,
(Granada-España)
Telf. (+34) 637594492
eljabonartesanal@hotmail.com

CERTIFICADO DE ANALISIS y FICHA TECNICA

Geogard™ 221 – Cosgard

Charge 409231

Cad. 11/2023

Parameter	Specifikations	Result
Total active acid (DHA), %	7.7 – 8.3	7.73
Total alcohol (Benzyl), %	85.0 – 89.0	86.2
Color (Gardner)	10 max.	10
Clarity	Clear Liquid	pass



El Jabón Artesanal
Manuel Vicente Nievas
C/ Río Tajo nº 53
18110 Las Gabias,
(Granada-España)
Telf. (+34) 637594492
eljabonartesanal@hotmail.com

FICHA DE DATOS DE SEGURIDAD

according to Regulation (EC) No. 1907/2006

Cosgard (Geogard® 221)

Version	5.0 / EN
Revision Date	24.05.2015
Print Date	08.06.2015

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

1.1 Product identifier

Substance name : Geogard™ 221

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

Use of the Substance/Mixture : Conservation agent (preservative) for cosmetics

1.3 Details of the supplier of the safety data sheet

Company El Jabón Artesanal
Manuel Vicente Nievas
C/ Río Tajo nº 53
18110 Las Gabias, (Granada-España)
Telf. (+34) 637594492
eljabonartesanal@hotmail.com

1.4 Emergency telephone number

Telephone: INSTITUTO NACIONAL DE TOXICOLOGIA MADRID 915620420

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute toxicity; Category 4 ; Oral
Acute toxicity; Category 4 ; Inhalation

H302 Harmful if swallowed.
H332 Harmful if inhaled.

67/548/EEC / 1999/45/EC

Harmful by inhalation and if swallowed.

2.2 Label elements

Labelling according to EC Directives

REGULATION (EC) No 1272/2008

Pictogram :



Cosgard (Geogard® 221)

Signal word : Warning

Hazard statements

H302 : Harmful if swallowed.

H332 : Harmful if inhaled.

Precautionary statements

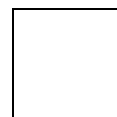
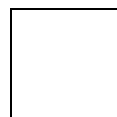
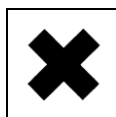
P261 : Avoid breathing mist/vapours/spray.

P301 + P312 : IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

67/548/EEC / 1999/45/EC

Symbol(s)

:



:

Harmful

R-phrases(s)

R20/22 : Harmful by inhalation and if swallowed.

S-phrases(s)

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other hazards

General advice : No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substances / Mixtures : Mixture

Cosgard (Geogard® 221)

Hazardous components

3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione

CAS-No.	EC-No. / Registration number	Classification	Concentration
520-45-6 (771-03-9)	208-293-9	Acute Tox.; 4; H302 Xn; R22 Xn; R22	1 - 10 %

Benzyl alcohol

100-51-6	202-859-9 / 01-2119492630-38-xxxx	Acute Tox.; 4; H302 Acute Tox.; 4; H332 Xn; R20/22	50 - 90 %
----------	--------------------------------------	--	-----------

For the full text of the H-Statements mentioned in this Section, see Section 16.
For the full text of the R-phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	: After contact with skin, wash immediately with plenty of soap and water. Consult a physician.
Eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately.
Ingestion	: Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray, Dry powder, Foam

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Heating or fire can release toxic gas.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use respirator when performing operations involving potential exposure to vapour of the product.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Do not flush into surface water or sanitary sewer system. Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4 Reference to other sections

Additional advice : For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.
- Advice on protection against fire and explosion : Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed. Keep in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

- Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
Respirator with a vapour filter (EN 141) Respirator with ABEK filter.
- Hand protection : Suitable material : Nitrile rubber
Break through time : > 480 min
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
- Eye protection : Tightly fitting safety goggles
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
No special protective equipment required.
- Hygiene measures : Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

Environmental exposure controls

- General advice : Prevent product from entering drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Colour	: yellow
pH	: no data available
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: > 96 °C
Water solubility	: slightly soluble

9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Stable under normal conditions.

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

Nitrogen oxides (NOx), Carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

The following toxicological data refer to:

3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione (CAS-No.: 520-45-6)

Information on toxicological effects

Acute oral toxicity (LD50)	: 1 480 mg/kg Species: Rat Method: DOT
Skin irritation	: non irritant Species: Rabbit Exposure time: 4 h Method: DOT
Sensitisation	: not sensitizing Species: Mouse Local Lymph Node Assay Method: OECD Test Guideline 429
Genotoxicity in vitro	: negative Ames test, Salmonella typhimurium

Benzyl alcohol (CAS-No.: 100-51-6)

Information on toxicological effects

Acute oral toxicity (LD50)	: 1 610 mg/kg Species: Rat Literary reference
Acute inhalation toxicity (LC50)	: > 4,178 mg/l Species: Rat Exposure time: 4 h Literary reference
Acute dermal toxicity (LD50)	: 2 000 mg/kg Species: Rabbit Literary reference
Skin irritation	: non irritant Species: Rabbit Exposure time: 4 h Method: OECD Test Guideline 404 Literary reference
Eye irritation	: moderate irritant Species: Rabbit Method: OECD Test Guideline 405 Literary reference

Cosgard (Geogard® 221)

Sensitisation	: not sensitizing Species: Guinea pig Magnusson & Kligman Literary reference
Repeated dose toxicity	: NOEL: 400,000000 mg/kg Application Route: Oral Exposure time: 90,0 d Species: Rat Literary reference
Genotoxicity in vitro	: negative Ames test Literary reference equivocal Gene mutation, mouse lymphoma cells Literary reference positive Chromosome aberration test in vitro Literary reference
Genotoxicity in vivo	: negative In vivo micronucleus test Application Route: ip Exposure time: 24 h Species: Mouse Literary reference
Additional advice	: May cause sensitisation of susceptible persons by skin contact. Dermal absorption possible High concentration of vapours may induce unconsciousness.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish	: no data available
------------------	---------------------

12.2 Persistence and degradability

Biodegradability	: no data available
------------------	---------------------

12.3 Bioaccumulative potential

Bioaccumulation	: no data available
-----------------	---------------------

12.4 Mobility in soil

Behaviour in environmental compartments : no data available

12.5 Results of PBT and vPvB assessment

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional advice : no data available

The following ecotoxicological data refer to:

3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione (CAS-No.: 520-45-6)

Toxicity

Toxicity to fish (NOEC) : 218 - 415 mg/l
Species: *Cyprinus carpio* (Carp)
Acute toxicity
Exposure time: 72 h

Persistence and degradability

Biodegradability : OECD Coupled Units: 99 %
biologically well degradable
Method: OECD Test Guideline 303 A

Zahn-Wellens Test: 96 %
biologically well degradable
Testing period: 14 d
Method: OECD Test Guideline 302 B

Closed Bottle test: 81 %
Readily biodegradable
Testing period: 30 d
Method: OECD Test Guideline 301D

Bioaccumulative potential

Bioaccumulation : no data available

Mobility in soil

Behaviour in environmental compartments : no data available

Other adverse effects

Additional advice : No data is available on the product itself.

Cosgard (Geogard® 221)

Benzyl alcohol (CAS-No.: 100-51-6)

Toxicity

Toxicity to fish (LC50)	: 646 mg/l Species: <i>Leuciscus idus</i> (Golden orfe) Acute toxicity Exposure time: 48 h Method: DIN 38412 Part 15 Literary reference
Toxicity to daphnia and other aquatic invertebrates (EC50)	: 400 mg/l Species: <i>Daphnia magna</i> (Water flea) Immobilization Exposure time: 24 h Method: DIN 38412 L11 Literary reference
Toxicity to algae (EC50)	: 79 mg/l Species: <i>Desmodesmus subspicatus</i> (green algae) Exposure time: 3 h Literary reference
Toxicity to bacteria (EC50)	: 658 mg/l Species: <i>Pseudomonas putida</i> Exposure time: 16 h Literary reference
Toxicity to bacteria (EC50)	: 71 mg/l Species: <i>Photobacterium phosphoreum</i> Exposure time: 30 min Literary reference

Persistence and degradability

Biodegradability	: Closed Bottle test: > 90 % Readily biodegradable Testing period: 30 d Method: OECD Test Guideline 301D Literary reference
------------------	---

Bioaccumulative potential

Bioaccumulation	: Does not bioaccumulate. Bioconcentration factor (BCF): 4 Literary reference
-----------------	---

Mobility in soil

Behaviour in environmental compartments	: Adsorption/Soil Literary reference
---	---

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of in accordance with local regulations. Contact waste disposal services.
Contaminated packaging	:	Dispose of as unused product.

SECTION 14: Transport information

IATA Not dangerous goods

14.1	UN number	:	Not applicable
14.2	Proper shipping name	:	Not applicable
14.3	Transport hazard class	:	Not applicable
14.4	Packing group	:	Not applicable
14.5	Environmental hazards	:	no

IMDG Not dangerous goods

14.1	UN number	:	Not applicable
14.2	Proper shipping name	:	Not applicable
14.3	Transport hazard class	:	Not applicable
14.4	Packing group	:	Not applicable
14.5	Environmental hazards	:	Marine pollutant: no

ADR Not dangerous goods

14.1	UN number	:	Not applicable
14.2	Proper shipping name	:	Not applicable
14.3	Transport hazard class	:	Not applicable
14.4	Packing group	:	Not applicable
14.5	Environmental hazards	:	no

RID Not dangerous goods

14.1	UN number	:	Not applicable
14.2	Proper shipping name	:	Not applicable
14.3	Transport hazard class	:	Not applicable
14.4	Packing group	:	Not applicable
14.5	Environmental hazards	:	no

DOT : Not dangerous goods

14.1	UN number	:	Not applicable
14.2	Proper shipping name	:	Not applicable
14.3	Transport hazard class	:	Not applicable
14.4	Packing group	:	Not applicable
14.5	Environmental hazards	:	no

Cosgard (Geogard® 221)

TDG : Not dangerous goods

14.1 UN number : Not applicable

14.2 Proper shipping name : Not applicable

14.3 Transport hazard class : Not applicable

14.4 Packing group : Not applicable

14.5 Environmental hazards : no

14.6 Special precautions for user : none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

National legislation

Water contaminating class : WGK 1: slightly water endangering
(Germany)

This product is regulated by the FDA when used in cosmetics.

15.2 Chemical Safety Assessment

not required

SECTION 16: Other information

Full text of H-Statements

H302 Harmful if swallowed.

H332 Harmful if inhaled.

Full text of R-Phrases

R20/22 Harmful by inhalation and if swallowed.

R22 Harmful if swallowed.

Cosgard (Geogard® 221)

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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 and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.