



Safety Data Sheet Patina Bianca Anticante

Safety Data Sheet dated 5/17/2019, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: Patina Bianca Anticante

Other means of identification:

Trade code: 6CII231

Recommended use of the chemical and restrictions on use

Recommended use: Surface coating

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

Sirca S.p.A.

Address:

Viale Roma, 85
35010 S.Dono di Massanzago (PD) - ITALY
Tel. +39 0499322311

Distributed by:

GEMINI INDUSTRIES, INC.
2300 Holloway Drive
El Reno, OK 73036
USA
Tel. 1-800-262-5710
Fax 1-405-262-9310
www.gemini-coatings.com

Competent person responsible for the safety data sheet:

safety@sirca.it

Emergency phone number

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887.

2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Danger, Flam. Liq. 2, Highly flammable liquid and vapour.



Warning, Carc. 2, Suspected of causing cancer.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H351 Suspected of causing cancer.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Safety Data Sheet

Patina Bianca Anticante

P308+P313 IF exposed or concerned: Get medical advice/attention.
 P370+P378 In case of fire: Use a CO2, Foam, Chemical powders for extinction.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
PERSONAL PROTECTION		

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 9.9% - < 12.5% Titanium dioxide

REACH No.: 01-2119489379-17-xxxx, CAS: 13463-67-7, EC: 236-675-5



A.6/2 Carc. 2 H351

>= 1% - < 2% propan-2-ol

REACH No.: 01-2119457558-25-xxxx, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7



B.6/2 Flam. Liq. 2 H225



A.3/2A Eye Irrit. 2A H319



A.8/3 STOT SE 3 H336

>= 1% - < 2% acetone

REACH No.: 01-2119471330-49-xxxx, Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2



B.6/2 Flam. Liq. 2 H225



A.3/2A Eye Irrit. 2A H319



Safety Data Sheet

Patina Bianca Anticante



A.8/3 STOT SE 3 H336

>= 1% - < 2% ethanediol; ethylene glycol

REACH No.: 01-2119456816-28-xxxx, Index number: 603-027-00-1, CAS: 107-21-1, EC: 203-473-3



A.1/4/Oral Acute Tox. 4 H302

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

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.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire: Use a CO2, Foam, Chemical powders for extinction.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties:

N.A.

Oxidizing properties:

N.A.

Special protective equipment and precautions for fire-fighters

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from flame and sparks. Avoid accumulating electrostatic charge.

Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.



Safety Data Sheet

Patina Bianca Anticante

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Titanium dioxide - CAS: 13463-67-7
ACGIH - TWA(8h): 10 mg/m³ - Notes: A4 - LRT irr

propan-2-ol - CAS: 67-63-0
ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

acetone - CAS: 67-64-1
Québec - TWA(8h): 1210 mg/m³, 500 ppm - Behaviour: Binding
TWA (Italia) - TWA: 1781 mg/m³
EU - TWA(8h): 1210 mg/m³, 500 ppm
ACGIH - Behaviour: Binding - Notes: IBE: 50mg/l campione urine fine turno - indicatore biologico : Acetone
ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

ethanediol; ethylene glycol - CAS: 107-21-1
(OEL (IT)) - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Behaviour: Binding - Notes: pelle
EU - TWA(8h): 52 mg/m³, 20 ppm - STEL: 104 mg/m³, 40 ppm - Notes: Skin
ACGIH - TWA(8h): 25 ppm - STEL: 50 ppm - Notes: (V), A4 - URT irr
ACGIH - STEL: 10 mg/m³ - Notes: (I, H), A4 - URT irr

DNEL Exposure Limit Values

Titanium dioxide - CAS: 13463-67-7
Worker Industry: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 700 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

propan-2-ol - CAS: 67-63-0
Worker Industry: 500 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 888 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 89 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 319 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 26 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

acetone - CAS: 67-64-1
Worker Professional: 186 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 2420 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)
Worker Professional: 1210 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

ethanediol; ethylene glycol - CAS: 107-21-1
Worker Industry: 106 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 35 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 53 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

PNEC Exposure Limit Values

Titanium dioxide - CAS: 13463-67-7
Target: Fresh Water - Value: 0.127 mg/l
Target: Marine water - Value: 0.127 mg/l
Target: Soil (agricultural) - Value: 100 mg/kg
Target: Marine water sediments - Value: 100 mg/kg - Notes: dry
Target: Freshwater sediments - Value: 1000 mg/kg - Notes: dry
Target: Soil (agricultural) - Value: 100 mg/kg - Notes: alimento
Target: orally (secondary poisoning) - Value: 1667 mg/kg

propan-2-ol - CAS: 67-63-0
Target: Fresh Water - Value: 140.9 mg/l
Target: Marine water - Value: 140.9 mg/l
Target: occasional emission - Value: 140.9 mg/l
Target: Freshwater sediments - Value: 552 mg/kg
Target: Marine water sediments - Value: 552 mg/kg
Target: Soil (agricultural) - Value: 28 mg/kg
Target: STP - Value: 2251 mg/l

acetone - CAS: 67-64-1
Target: Marine water - Value: 1.06 mg/l
Target: Marine water sediments - Value: 3.04 mg/l
Target: Fresh Water - Value: 30.4 mg/l
Target: Soil (agricultural) - Value: 29.5 mg/kg
Target: Freshwater sediments - Value: 30.4 mg/kg

ethanediol; ethylene glycol - CAS: 107-21-1



Safety Data Sheet

Patina Bianca Anticante

Target: Fresh Water - Value: 10 mg/l
Target: Marine water - Value: 1 mg/l
Target: Freshwater sediments - Value: 20.9 mg/kg
Target: Microorganisms in sewage treatments - Value: 20.9 mg/l

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	< 1° C
Initial boiling point and boiling range:	> 55° C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	< 21°C - < 69.8 °F
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.3000 Kg/l a 20°C
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	> 250° C
Decomposition temperature:	N.A.
Viscosity (typical value):	20.00 " Din cup # 4
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

No dangerous reaction is stored and used appropriately.

Conditions to avoid

Avoid accumulating electrostatic charge.

Vapours can form explosive mixtures with air.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Titanium dioxide - CAS: 13463-67-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 6.82 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

b) skin corrosion/irritation:

Safety Data Sheet

Patina Bianca Anticante

- Test: Eye Irritant - Species: Rabbit No
 Test: Skin Irritant - Species: Rabbit No
- d) respiratory or skin sensitisation:
 Test: Skin Sensitization - Species: Mouse No
- i) STOT-repeated exposure:
 Test: NOAEL - Species: Rat 3500 mg/kg/day - Source: polmoni
 propan-2-ol - CAS: 67-63-0
- a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat = 5045 mg/kg
 Test: LD50 - Route: Skin - Species: Rat = 12800 mg/kg
 Test: LC50 - Route: Inhalation - Species: Rat = 72000 mg/m3 - Duration: 4h
 acetone - CAS: 67-64-1
- a) acute toxicity:
 Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg
 Test: LD50 - Route: Skin - Species: Rabbit = 7800 mg/kg
 Test: LC50 - Route: Inhalation - Species: Rat 50100 mg/m3 - Duration: 8h
- b) skin corrosion/irritation:
 Test: Eye Irritant Yes
 Test: Skin Irritant - Route: Skin Yes - Notes: Il contatto ripetuto può causare dermatiti
- ethanediol; ethylene glycol - CAS: 107-21-1
- a) acute toxicity:
 Test: LC50 - Route: Inhalation Vapour - Species: Rat > 2.5 mg/l - Duration: 6h
 Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
 Test: LD50 - Route: Oral - Species: Rat 7712 mg/kg

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

Titanium dioxide - Group 2B
 propan-2-ol - Group 3.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Titanium dioxide - CAS: 13463-67-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 61 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae 100000 mg/kg - Duration h: 480

propan-2-ol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 24

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 30 mg/l - Duration h: 504 - Notes: Prova semistatica

c) Bacteria toxicity:

Endpoint: EC50 - Species: Active mud > 1000 mg/l

e) Plant toxicity:

Endpoint: NOEC - Species: Algae = 1800 mg/l - Duration h: 168 - Notes: Prova statica, inibizione della crescita

acetone - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 8800 mg/kg

b) Aquatic chronic toxicity:

Endpoint: EC50 - Species: Fish = 6070 mg/l - Duration h: 96

Endpoint: NOEC - Species: Fish 6070 mg/l - Duration h: 96

ethanediol; ethylene glycol - CAS: 107-21-1

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: fresh water

Endpoint: LC50 - Species: Fish = 72860 mg/l - Duration h: 96 - Notes: fresh water

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 1530 mg/l - Duration h: 168 - Notes: fresh water

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.



Safety Data Sheet

Patina Bianca Anticante

Mobility in soil
N.A.
Other adverse effects
None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

UN number
ADR-UN Number: 1263
DOT-UN Number: 1263
IATA-UN Number: 1263
IMDG-UN Number: 1263
UN proper shipping name
ADR-Shipping Name: Paint Related material
DOT-Shipping Name: Paint Related material
IATA-Shipping Name: Paint Related material
IMDG-Shipping Name: Paint Related material
Transport hazard class(es)
ADR-Class: 3
DOT-Class: 3
IATA-Class: 3
IMDG-Class: 3
Packing group
ADR-Packing Group: II
DOT-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II
Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
Special precautions
ADR-Tunnel Restriction Code: D/E
DOT-Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28
IATA-Passenger Aircraft: 353
IATA-Cargo Aircraft: 364
IATA-S.P.: A72
IATA-ERG: 8L
IMDG-EmS: F-E, S-E
IMDG-Storage category: B
IMDG-Storage notes: None
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
No

15. REGULATORY INFORMATION

USA - Federal regulations
TSCA - Toxic Substances Control Act
TSCA inventory: all the components are listed on the TSCA inventory.
TSCA listed substances:
None.
SARA - Superfund Amendments and Reauthorization Act
Section 302 – Extremely Hazardous Substances: ethanediol; ethylene glycol.
Section 304 – Hazardous substances: no substances listed.
Section 313 – Toxic chemical list: propan-2-ol, ethanediol; ethylene glycol.
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
Substance(s) listed under CERCLA: acetone - Reportable quantity: 5000 pounds
ethanediol; ethylene glycol - Reportable quantity: 5000 pounds.
Reportable quantity for mixture: 328083.9895 pounds.
CAA - Clean Air Act
CAA listed substances:
propan-2-ol is listed in CAA Section 111
acetone is listed in CAA Section 111, Section 112(b) - HON
ethanediol; ethylene glycol is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.
CWA - Clean Water Act
CWA listed substances:
propan-2-ol is listed in CWA Section 304
acetone is listed in CWA Section 304.



Safety Data Sheet

Patina Bianca Anticante

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

Titanium Dioxide (airborne, unbound particles of respirable size) is known to the state of California to cause cancer. This listing does not cover titanium dioxide when it remains bound within a product matrix

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Titanium dioxide

propan-2-ol

acetone

ethanediol; ethylene glycol.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

Titanium dioxide

propan-2-ol

acetone

ethanediol; ethylene glycol.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Titanium dioxide

propan-2-ol

acetone

ethanediol; ethylene glycol.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H351 Suspected of causing cancer.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H302 Harmful if swallowed.

Safety Data Sheet dated 5/17/2019, version 1

Disclaimer:

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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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