



## Safety Data Sheet

### UV absorber Additive

Safety Data Sheet dated 12/2/2021, version 1

#### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: UV absorber Additive

Other means of identification:

Trade code: 6ADTU700

Recommended use of the chemical and restrictions on use

Recommended use: Auxiliary for surface coating

Restrictions on use:

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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



Warning, Skin Sens. 1A, May cause an allergic skin reaction.



Warning, Aquatic Acute 1, Very toxic to aquatic life.



Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Label elements

Hazard pictograms:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

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

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

P321 Specific treatment (see supplementary instructions on this label).

## Safety Data Sheet

### UV absorber Additive

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.  
 P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

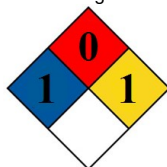
None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

|                     |     |
|---------------------|-----|
| HEALTH              | * 1 |
| FLAMMABILITY        | 0   |
| 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:

>= 25% - < 48% Poly(oxy-1,2-ethanediyl),  
 alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy-]-  
 CAS: 104810-48-2



A.4.2/1A Skin Sens. 1A H317

US-HAE/A2 Aquatic Acute 2 H401



US-HAE/C2 Aquatic Chronic 2 H411

>= 20% - < 25% Poly(oxy-1,2-ethanediyl),  
 a-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-  
 CAS: 104810-47-1



A.4.2/1A Skin Sens. 1A H317

US-HAE/A2 Aquatic Acute 2 H401



US-HAE/C2 Aquatic Chronic 2 H411

>= 20% - < 25% Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate  
 CAS: 41556-26-7, EC: 255-437-1



## Safety Data Sheet

### UV absorber Additive



A.4.2/1 Skin Sens. 1 H317



US-HAE/A1 Aquatic Acute 1 H400



US-HAE/C1 Aquatic Chronic 1 H410

>= 9.9% - < 12.5% Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  
CAS: 82919-37-7, EC: 280-060-4



A.4.2/1 Skin Sens. 1 H317



US-HAE/A1 Aquatic Acute 1 H400



US-HAE/C1 Aquatic Chronic 1 H410

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#### 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

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#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.  
Carbon dioxide (CO<sub>2</sub>).

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.

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#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.  
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.

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#### 7. HANDLING AND STORAGE

Precautions for safe handling

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

6ADTU700/1

Page n. 3 of 7



## Safety Data Sheet

### UV absorber Additive

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.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature:

Store at ambient temperature.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

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

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### 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:                                  | other >=55°C ( >= 131°F ) |
| Evaporation rate:                             | N.A.                      |
| Vapour pressure:                              | N.A.                      |
| Relative density:                             | 1.1000 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.                      |
| Miscibility:                                  | N.A.                      |
| Fat Solubility:                               | N.A.                      |
| Conductivity:                                 | N.A.                      |
| Substance Groups relevant properties          | N.A.                      |

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### 10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

No dangerous reaction is stored and used appropriately.

Conditions to avoid



## Safety Data Sheet

### UV absorber Additive

Stable under normal conditions.  
Incompatible materials  
None in particular.  
Hazardous decomposition products  
None.

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## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

Poly(oxy-1,2-ethanediyl), alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy-] - CAS: 104810-48-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: (OECD Guideline 401) - Notes: No mortality was observed

Test: LC0 - Route: Inhalation - Species: Rat > 5.8 mg/l - Duration: 14 d - Notes: No mortality was observed

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: (OECD Guideline 402) - Notes: No mortality was observed

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative - Source: (OECD Guideline 405) - Notes: Assessment of irritating effects: may cause slight irritation to the skin.

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Negative - Source: (OECD Guideline 404) - Notes: Assessment of irritating effects: May cause slight irritation to the eyes

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus Positive - Source: (OECD Guideline 405)

Poly(oxy-1,2-ethanediyl),

a-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl] - CAS: 104810-47-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: (OECD Guideline 401) - Notes: No mortality was observed

Test: LC0 - Route: Inhalation - Species: Rat > 5.8 mg/l - Duration: 14 d - Notes: No mortality was observed

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: (OECD Guideline 402) - Notes: No mortality was observed

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative - Source: (OECD Guideline 405) - Notes: Assessment of irritating effects: may cause slight irritation to the skin.

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Negative - Source: (OECD Guideline 404) - Notes: Assessment of irritating effects: May cause slight irritation to the eyes

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Cavia porcellus Positive - Source: (OECD Guideline 405)

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

None.

Substance(s) listed on the IARC Monographs:

None.

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

None.

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

None.

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Poly(oxy-1,2-ethanediyl), alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy-] - CAS: 104810-48-2

a) Aquatic acute toxicity:

Species: Daphnia = 1 mg/l - Notes: 21 d

Poly(oxy-1,2-ethanediyl),

a-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl] - CAS: 104810-47-1

a) Aquatic acute toxicity:

Species: Daphnia = 1 mg/l - Notes: 21 d

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None



## Safety Data Sheet

### UV absorber Additive

#### 13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

#### 14. TRANSPORT INFORMATION

UN number

ADR-UN number: 3082  
DOT-UN number: 3082  
IATA-Un number: 3082  
IMDG-Un number: 3082

UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
DOT-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es)

ADR-Class: 9  
ADR-Label: 9  
DOT-Class: 9  
ADR - Hazard identification number: 90  
IATA-Class: 9  
IATA-Label: 9  
IMDG-Class: 9

Packing group

ADR-Packing Group: III  
DOT-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III

Environmental hazards

ADR-Environmental Pollutant: Yes  
IMDG-Marine pollutant: Marine pollutant  
Most important toxic component: Poly(oxy-1,2-ethanediyl),  
alpha-[3-[3-(2h-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-omega-hydroxy-]-Special precautions

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No

Special precautions

ADR-Tunnel Restriction Code: 3 (E)  
DOT Special Provisions: 8, 146, 173, 335, IB3, T4, TP1  
IATA-Passenger Aircraft: 964  
IATA-Cargo Aircraft: 964  
IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
IMDG-EMS: F-A, S-F

#### 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: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know



## Safety Data Sheet

### UV absorber Additive

Substance(s) listed under New Jersey Right to know:  
No substances listed.

Pennsylvania Right to know  
Substance(s) listed under Pennsylvania Right to know:  
No substances listed.

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#### 16. OTHER INFORMATION

Text of phrases referred to under heading 3:  
H317 May cause an allergic skin reaction.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

Safety Data Sheet dated 12/2/2021, 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. |
| 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.                       |
| 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  |