

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1. Product identifier

- Product name: EnhanceU-T-medium
- INCI: Titanium Dioxide, Silica, CI-77492, CI-77491, CI-77499

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

Cosmetic raw material.

1.3. Details of the supplier of the safety data sheet

- Advanced Dispersed Particles S.L.
- C/Oro, 45 - nave 14 - P.I.Sur; 28770 Colmenar Viejo, Madrid (Spain).
- www.ad-particles.com
- technical@ad-particles.com

1.4. Emergency telephone number

Instituto Nacional de Toxicología * Madrid * Tel: 91 562 04 20

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This substance is not classified as dangerous according to European Union legislation.

2.2. Label elements

- Labelling (REGLAMENTO (CE) No 1272/2008)
- Not a dangerous substance according to SGA.
- Labelling (67/548/CEE o 1999/45/CE)
- The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3. Other hazards

Not available data.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>EINECS No</u>
Titanium dioxide (84-87%)	13463-67-7	236-675-5
Silicon dioxide (3-6%)	7631-86-9	231-545-4



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CI-77491 (Fe ₂ O ₃) (1-2%)	1309-37-1	215-168-2
CI-77492 (FeOOH) (7-8%)	51274-00-1	257-098-5
CI-77499 (FeO/Fe ₂ O ₃) (0-1%)	1317-61-9	215-277-5

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- General information: Remove the person out of dangerous area.
Never give anything by mouth to an unconscious person.
- After inhalation: Supply fresh air.
- After skin contact: Wash with water and soap and rinse thoroughly.
- After eye contact: Rinse out with plenty of water.
- After swallowing: Consult doctor if feeling unwell.
Prevent vomiting if possible.
If a person vomits when lying on his back, it must be turned aside.
Never give anything by mouth to an unconscious person.

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

We have no description of any toxic symptoms.

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

No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media: Use sprayed water, alcohol-resistant foam, dry powder or carbon dioxide.
- Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

- Do not allow firefighting water to enter drains or watercourses.

5.3. Advice for firefighters

- In the event of fire, wear self-contained breathing apparatus.
- In the event of fire or explosion, do not breathe vapors.
- Spayed water may be used to cool closed containers.
- Fire residues and contaminated firefighting water must be disposed of according to local regulations.
- Fire extinguishing water must be collected separately must not be discharged into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions: Appropriated ventilation.

6.2. Environmental precautions

- Should not be released into the environment.
- Avoid subsoil penetration.
- Prevent further leakage or spillage if safe to do so.
- If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and materials for containment and cleaning up

- Cleaning up: Waste code number according to origin of waste.
Collect mechanically.
Contain spillage.
- Additional advice: Local authorities must be informed if important spillage cannot be contained

6.4. Reference to other sections

See section 8 for information on personal protection equipment

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Advice: Dispose of rinse water according to national and local regulations.
See section 8 for information on personal protection equipment.
- Protection against explosions and fires: Do not smoke when using.

7.2. Conditions for safe storage, including any incompatibilities

- Technical requirements: Store in original container.
Keep container tightly closed in a dry and well ventilated place.
To maintain product quality, do not store in heat or direct sunlight.
- Common storage: No incompatible products.
- Other data: It does not decompose if storage and use as indicated.

7.3. Specific end uses

Those specified in section1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

- Components:

*Titanium dioxide (13463-67-7)

WEL: Workplace Exposure Limit – 10 mg/m³
(8-hour TWA reference period):

* CI-77491 (Fe₂O₃) (1309-37-1)

WEL: Workplace Exposure Limit – 5 mg/m³
(8-hour TWA reference period):

8.2. Exposure controls

- Engineering measures: None.
- Breathing equipment: Use breathing protection with high concentrations. EN 149: FFP2.
- Hand protection: Use protective gloves for chemical protection, i.e. Polychloroprene level 2 or level 6 butylic rubber.
- Eye protection: Safety glasses.
- Body protection: Protective work clothing.
- Hygiene measures: Wash hands after working with substance.
- Protection measures: Do not eat, drink or smoke when handling substance.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- Form: Powder.
- Color: Rosy.
- Odor: Characteristic.

- Melting point: No information available.
- Water solubility: No information available.
- Relative and apparent density: No information available.
- Vapor pressure: No information available.
- Boiling point: No information available.
- Partition coefficient: n-octanol/water: No information available.
- pH: No information available.
- Viscosity, dynamic: No information available.
- Viscosity, kinematic: No information available.
- Evaporation rate: No information available.
- Flammability (solid, gas): No information available.
- Ignition temperature: No information available.
- Minimum ignition energy: No information available.
- Lower explosion limit: No information available.
- Upper explosion limit: No information available.
- Solubility: No information available.
- Relative vapor density: No information available.

9.2. Other data

No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal use conditions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

- Components:

* Titanium dioxide (13463-67-7)

Acute oral toxicity:	LD50 (rat): >10.000 mg/kg
Irritant effect on the eye:	No irritant effect.

* Cl-77491 (Fe₂O₃) (1309-37-1)

Acute oral toxicity:	LD50 (rat): >5.000 mg/kg
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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment method

- Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.
- Leave chemicals in original containers.

- No mixing with other waste.
- Handle uncleaned containers like the product itself.

SECTION 14: TRANSPORT INFORMATION

14.1. UN-Number

ADR, ADN, IMDG, IATA: not applicable.

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA: not applicable.

14.3. Transport hazard class (es)

ADR, ADN, IMDG, IATA: not applicable.

14.4. Packing group

ADR, ADN, IMDG, IATA: not applicable.

14.5. Environmental hazards

No environmentally hazardous substance.

14.6. Special precautions for users

No information available.

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

National legislation:

Storage class 10-13

Not hazardous for water.

15.2. Chemical Safety Assessment

No information available.

SECTION 16: OTHER INFORMATION

The information on this Safety Data Sheet is based on our present knowledge. This information is a guide for the safety on handling, use, processing, storage, transport and disposal, and shall not be



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considered as a guarantee or quality specification. This information refers only to the material specified and is not valid for this material combined with other substances or processes.

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