

**SUNJIN BEAUTY SCIENCE CO.,LTD.**

H.O. : 8F, 43-14, Gasan digital 2-ro, Geumcheon-gu,
Seoul, Republic of Korea (Zip 08588)
Tel : 82-(0)2-853-3200, Fax : 82-(0)2-853-3201

Factory : 11, Janghangsandanbuk-ro, Janghang-eup,
Seocheon-gun, Chungcheongnam-do, Republic of Korea
(Zip 33658)
Tel : 82-(0)41-957-1081, Fax : 82-(0)41-957-1082

Material Safety Data Sheet**TX-85**

According to Regulation (EU) 2020/878, Annex II, as amended by EC 1907/2006(REACH) & EC 1272/2008(CLP)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 PRODUCT IDENTIFIER**

Product Name TX-85

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant applications identified Cosmetics

Applications which are not advised None

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company/Undertaking Identification SUNJIN BEAUTY SCIENCE CO.,LTD.
(H.O.) 8F, 43-14, Gasan digital 2-ro, Geumcheon-gu, Seoul, Republic of Korea
(Factory) 11, Janghangsandanbuk-ro, Janghang-eup, Seocheon-gun, Chungcheongnam-do, Republic of Korea
Tel. +82-(0)2-853-3200 +82-(0)41-957-1081
regulatory@sunjinbs.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency telephone +82-(0)2-853-3200

2. HAZARDS IDENTIFICATION**2.1 CLASSIFICATION OF THE SUBSTANCE**

Not Applicable

2.2 LABEL ELEMENTS

Hazard Pictogram(s) Not Applicable

Signal Word Not Applicable

Hazard Statement(s) EUH210 – Safety Data Sheet available on request.
EUH212 – Warning! Hazardous respirable dust may be formed when used
do not breathe dust.

Precautionary Statement(s) Not Applicable

2.3 OTHER HAZARDS No data available**3. COMPOSITION / INFORMATION ON INGREDIENTS****3.1 COMPOSITION OF THE SUBSTANCES / MIXTURES**

Substance or Mixture Mixtures

Composition

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Component	EC No.	CAS No.	REACH No.	% (W/W)	Classification : EC 1272/2008(CLP)
Titanium Dioxide*	236-675-5	13463-67-7	01-2119489379-17-0136	82 ~ 87	-
Silica	231-545-4	7631-86-9	01-2119379499-16-0206	7 ~ 18	-
Dimethicone	687-578-3 613-156-5	63148-62-9	Not registered(<1ton)	1 ~ 7	-

*: This titanium dioxide is not powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ from test results.

4. FIRST AID MEASURES**4.1 DESCRIPTION OF FIRST AID MEASURES**

General advice	Consult a physician. Show this safety data to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data is available

5. FIRE FIGHTING MEASURES**5.1 EXTINGUISHING MEDIA**

Suitable extinguishing media	Water spray, foam, CO ₂ , dry powder. Use any media appropriate for combustible material in the area.
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5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Thermal Decomposition	No Information
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5.3 ADVICE FOR FIREFIGHTERS

Special protective equipment for firefighter	Standard procedure for chemical fires.
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6. ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**



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Avoid generation of dust. Ensure adequate ventilation. Wear personal protective equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent run-off from entering ground, storm sewers and ditches which lead to natural waterways.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Use any feasible mechanical means (e.g. vacuum, sweeping) but avoid dusting during clean-up. The product can cause slippery conditions if wet. Even at low concentration, the product renders the discharge in liquid effluent highly visible.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid raising and breathing dust. Observe good industrial hygiene practice for chemical handling.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Do not store in outside areas exposed to the weather. Care should be taken to avoid exposure to moisture.

7.3 SPECIFIC END USE(S)

Cosmetics

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Expose Limit

Korea

Titanium Dioxide	TWA - 10mg/m ³
Silica	TWA - 10mg/m ³
Dimethicone	No Information

ACGIH

Titanium Dioxide	TWA - 10mg/m ³
Silica	No Information
Dimethicone	No Information

8.2 EXPOSURE CONTROLS

Appropriate engineering controls Local and/or general ventilation is recommended.

Individual protection measures

Eye/face Protection	Wear safety glasses or goggles. Provide an emergency eye wash fountain and quick drench shower.
Skin/body Protection	No special protection required. Wear standard protective clothing.
Respiratory Protection	Wear suitable mask.
Environmental exposure controls	No special measures required.

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Material Safety Data Sheet**TX-85****9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	White fine Powder
Odor	Odorless
Melting point / Freezing point	No Information
Initial boiling point and boiling range	No Information
Flammability	Not Applicable
Lower and upper explosion limit	Not Applicable
Flash point	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
pH	5 ~ 9 (5g in 50% EtOH(5→50))
Viscosity	No Information
Solubility	Water : Insoluble
Partition coefficient n-octanol/water(log value)	Not Applicable
Evaporation rate	Not Applicable
Vapour pressure	Not Applicable
Density and/or relative density	Not Applicable
Relative vapour density	Not Applicable

9.2 OTHER INFORMATION No Information**10. STABILITY AND REACTIVITY**

10.1 REACTIVITY	No Information
10.2 CHEMICAL STABILITY	Stable under recommended storage conditions.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	No Information
10.4 CONDITIONS TO AVOID	No Information
10.5 INCOMPATIBLE MATERIALS	No Information
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	No Information

11. TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute toxicity

Oral

Titanium Dioxide

LD50 > 2000 mg/kg bw Rat



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Silica	LD50 > 5000 mg/kg bw Rat
Dimethicone	No Information
Dermal	
Titanium Dioxide	LD50 = 6730 mg/kg bw Rabbit, male LD50 > 8000 mg/kg bw Rabbit, female
Silica	LD50 > 2000 mg/kg bw Rabbit
Dimethicone	No Information
Inhalation	
Titanium Dioxide	LC50(4h) = 5.09 mg/L air Rat
Silica	LC50(4h) > 5.01 mg/L air Rat (unclassified)
Dimethicone	No Information
Skin corrosion/irritation	Slightly irritation or non-irritation. Rabbit
Serious eye damage/eye irritation	Not Irritating. Rabbit
Respiratory/Skin sensitization	Not sensitizing. Guinea pig or Mouse
Germ cell mutagenicity	No Information
Carcinogenicity	
<u>IARC</u>	
Titanium Dioxide	2B
Silica	3 (Not applicable)
Dimethicone	No Information
<u>NTP</u>	No Information
<u>OSHA</u>	No Information
<u>WISHA</u>	No Information
<u>ACGIH</u>	
Titanium Dioxide	A4
Silica	No Information
Dimethicone	No Information
<u>EU CLP</u>	Not Applicable
Reproductive toxicity	
Titanium Dioxide	NOAEL ≥ 1000 mg/kg bw/day Rat
Silica	Not specified
Dimethicone	No Information
Specific target organ toxicity - single exposure	No Information
Specific target organ toxicity - repeated exposure	No Information

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Aspiration hazard

No Information

11.2 INFORMATION ON OTHER HAZARDS

Endocrine disrupting properties

Not Applicable

12. ECOLOGICAL INFORMATION**12.1 TOXICITY**

Fish

Titanium Dioxide

Non-toxic in the range of LC50 > 1 mg/L to >100 mg/L (fresh water)

Silica

LC50 > 5000 mg/L 96h

Dimethicone

No Information

Aquatic invertebrates

Titanium Dioxide

Non-toxic in the range of EC50 > 100 mg/L (fresh water and marine)

Silica

EL50 > 10000 mg/L 24h

Dimethicone

No Information

Algae

Titanium Dioxide

Low toxic potential in the range of EC10/EC50 ≥ 2 mg/L and > 50 mg/L

Silica

EC50 > 173.1 mg/L 72h

Dimethicone

No Information

12.2 PERSISTENCE AND DEGRADABILITY

Persistence

No Information

Degradability

No Information

12.3 BIOACCUMULATIVE POTENTIAL

No Information

12.4 MOBILITY IN SOIL

No Information

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

No Information

12.6 ENDOCRINE DISRUPTING PROPERTIES

No Information

12.7 OTHER ADVERSE EFFECTS

No Information

13. DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS**

A. DISPOSAL METHODS

Dispose the waste in accordance with all applicable regulations.

B. PRECAUTIONS

No special precautions required.

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Material Safety Data Sheet**TX-85****14. TRANSPORTATION INFORMATION (IMDG, IATA, ADR/RID, ADN)**

14.1 UN NUMBER	Not regulated
14.2 UN PROPER SHIPPING NAME	Not regulated
14.3 TRANSPORT HAZARD CLASS(ES)	Not regulated
14.4 PACKING GROUP	Not regulated
14.5 ENVIRONMENTAL HAZARDS	Not regulated
14.6 SPECIAL PRECAUTIONS FOR A USER	No Information
14.7 MARITIME TRANSPORT IN BULK	No Information

ACCORDING TO IMO INSTRUMENTS

15. REGULATORY INFORMATION**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Korea	Not regulated
US Federal	
OSHA	Not regulated
CERCLA	Not regulated
EPCRA 302	Not regulated
EPCRA 304	Not regulated
EPCRA 313	Not regulated
Rotterdam	Not regulated
Convention(PIC)	Not regulated
Stockholm	Not regulated
Convention(POPs)	Not regulated
Montreal Protocol	Not regulated
EU	
Labeling	Comply with CLP regulation
Hazard Symbols	Not applicable
Risk phrase	Not applicable
Safety phrase	Not applicable

15.2 CHEMICAL SAFETY ASSESSMENT	No data available
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16. OTHER INFORMATION**16.1 REVISION NOTE**



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Version Number 1.2

16.2 KEY OR LEGEND TO ABBREVIATIONS AND ACRONYMS

CLP: Classification, Labelling and Packaging Regulation (EC) No. 1272/2008

REACH: Registration, Evaluation, Authorization & Restriction of Chemicals Regulation (EC) No. 1907/2006

16.3 FURTHER INFORMATION

The information and recommendations contained herein are, to the best of SUNJIN BEAUTY SCIENCE CO.,LTD's knowledge and belief, accurate and reliable as of the last revision date. This document is offered in good faith. The information relates to the specific material designated, and may not be valid for such material used in combination with any other materials, in any process, or if used in a manner other than for which it is intended.

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