

MIYOSHI SUZHOU COMPANY LIMITED
SAFETY DATA SHEET

MSDS #: SZM01401 ISSUED: 2013/12/02 PAGE:1 (TOTAL 5) VERSION: 3.0

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ALT-TSR-10

INCI DESIGNATION: TITANIUM DIOXIDE ALUMINUM HYDROXIDE TRIETHOXYCAPRYLYLSILANE

GENERAL USE: This product is manufactured for use in cosmetic applications.

MANUFACTURER: Miyoshi Suzhou Company Limited.
 No. 26, Sub-Industrial Zone, No. 666 Jianlin Road
 SND, PR China P.C.: 215151

EMERGENCY TELEPHONE NUMBER:
 (86) 512-6665 9282

2. HAZARDS IDENTIFICATION

GHS Classification and label elements of the product
GHS Classification
HEALTH HAZARDS
 Serious eye damage / eye irritation : Category 2B
 Carcinogenicity : Category 2



Signal word : Warning
HAZARD STATEMENT
 Cause eye irritation
 Suspected of causing cancer
Adverse human health effect
 Slight eye irritation upon direct contact.
 Dust from this product may cause irritation to the respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Preparation : Preparation

<u>COMPONENT</u>	<u>WT %</u>	<u>CAS #</u>	<u>EINECS #</u>
TITANIUM DIOXIDE	> 97.1 %	13463-67-7	236-675-5
ALUMINUM HYDROXIDE	< 1.9 %	21645-51-2	244-492-7
TRIETHOXYCAPRYLYLSILANE	< 1.0 %	2943-75-1	

Note : The figures shown above are not the specifications of the product.

4. FIRST AID MEASURES

IF INHALED

Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF ON SKIN

Gently with plenty of water and soap

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing

If eye irritation persists: Get medical advice / attention

IF SWALLOWED

Rinse mouth.

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Call a POISON CENTER or doctor / physician if you feel unwell

5. FIRE FIGHTING MEASURES

Use appropriate extinguishing media suitable for surrounding facilities

Unsuitable extinguishing media

Water. Do not allow extinguishing medium to contact container contents.

Special protective equipment and precautions for fire-fighters

Wear fire / flame resistance / retardant clothing

6. ACCIDENTAL RELEASE MEASURES

Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

Avoid raising powdered materials into airborne dust.

Environmental precautions

Do not wash away into shower or waterway.

Avoid raising dust.

Methods and materials for neutralization, containment and cleaning up

Sweep up, place in a bag and hold for waste disposal.

Preventive measures for secondary accident

Prevent entry into waterways, sewers, basements or confined areas

7. HANDLING AND STORAGE

Precaution for safe handling

Preventive measures

(Exposure Control for handling personnel)

Do not breath dust.

Use personal protective equipment as required.

Exhaust / ventilation

Good ventilation of the workplace required.

(Triethoxycaprylylsilane)

Use with adequate ventilation. Product evolves ethyl alcohol on exposure to water or humid air. Provide ventilation during use to control ethanol exposures within exposure guidelines or use respiratory protection.

Safety Measures / Incompatibility

Wear eye protection/face protection.

Wear Protective gloves / clothing and eye / face protection

Wash hands et al thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

Store in well-ventilated place. Keep container tightly closed.

Incompatible storage condition

Protect from sunlight

Recommendation on container and packaging materials

Store in corrosive resistant container with resistant inner liner.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters e.g. occupational exposure limit values or biological limit values

Adopted value

(Titanium dioxide)

ACGIH(1992) TWA: 10mg/m³ (LRT irr)

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Protective equipment

Respiratory protection

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Wear respiratory protection
Hand protection
Wear protective gloves.
Eye protection
Wear chemical safety goggle
Skin and body protection
Wear protective clothing.

Safety and Health measures

Wash hands and contaminated parts thoroughly after handling.
Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Powder
COLOR: White
ODOR: Slight characteristic odor
SOLUBILITY IN WATER: Insoluble

10. STABILITY AND REACTIVITY

Stability

Stable under normal storage / handling conditions

Conditions to avoid

Heat sources.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

(Triethoxycaprylylsilane)

Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

11. TOXICOLOGICAL INFORMATION

Symptoms related to the physical, chemical and toxicological characteristics

No Acute toxicity data available

Irritant properties

Skin corrosion / irritation component(s) data

(Titanium dioxide)

Human 0.3mg/3D-I ; MILD

No Allergenic and sensitizing effects data available

No Mutagenic effects data available

No Teratogenic effects data available

Carcinogenic effects

(Titanium dioxide)

IARC-Gr.2B ; Possibly carcinogenic to humans.

(Titanium dioxide)

ACGIH-A4(1992) : Not classifiable as a Human Carcinogen

No Toxicity for reproduction data available

No Delayed / chronic effects from short / long-term exposure data available

No Aspiration hazard data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic toxicity

(Titanium dioxide)

Crustacea (Daphnia magna) EC50 >1,000mg/L/48hr (AQUIRE, 2003)

Water solubility

(Titanium dioxide)

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None (HSDB, 2004)
(Aluminum hydroxide)
None (ICSC, 1998)

Persistence and degradability

Triethoxycaprylylsilan hydrolyses in water or moist air, releasing alcohols and organosilicons.

No Bioaccumulative potential data available

13. DISPOSAL CONSIDERATIONS

Waste residue

Avoid release to the environment (- if this is not intended use)

Dispose of contents / container in accordance with local / national regulation

Contaminated packing

Cleanup containers before dispose.

14. TRANSPORT INFORMATION

UN No., UN CLASS

Not applicable to UN No.

Sea pollutant

Sea pollutant control law

Noxious Liquid ; Cat. Z : Titanium dioxide

15. REGULATORY INFORMATION

Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

Other regulatory information

California Proposition 65:

WARNING! This product contains a chemical known to the State of California to cause cancer:

Titanium dioxide (airborne, unbound particles of respirable size) The listing does not cover

Titanium dioxide when it remains bound within a product matrix.

Canada (WHMIS):

This product has been classified as D2A controlled product under WHMIS. This listing does not cover titanium dioxide when it is inextricably bound within a product.

16. OTHER INFORMATION

Reference Book

Globally Harmonized System of classification and labeling of chemicals, (4th ed., 2011), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 17th edit. UN

Classification, labeling and packaging of substances and mixtures (reg.(EC) No 1272/2008)

2012 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2011 TLVs and BEIs (ACGIH)

<http://monographs.iarc.fr/monoeval/gelist.html>

Supplier's data/information

For more information contact at

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The GHS classification data given here is based on current EU official data.
