

SAFETY DATA SHEET

Revision Date: 08/12/2026

SECTION 1. IDENTIFICATION

Product Code : LATTE
CAS Number : 13463-67-7
C.I. Number : 77891

Manufacturer or Supplier's details

Company :

Emergency telephone : Chemtel (800) 424-9300
International (703) 527-3887
Recommended use : Industrial Use, Concrete Colorant

SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS status : This material is not considered hazardous by the OSHA Hazard
Communication Standard (29 CFR 1910.1200)

GHS Label Elements

Signal word : Not Applicable
Hazard statements : Not Applicable
Precautionary statements
Prevention : Wash hands thoroughly after handling
Response : Not Applicable
Storage : Store in accordance to local regulations
Disposal : Dispose of contents/container to an approved waste disposal plant
Supplemental label elements : Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and ignition sources. No smoking. Prevent dust accumulation
Hazards not otherwise classified : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
Chemical nature	:	
Ingredient name	CAS-No.	%
Titanium Dioxide	13463-67-7	80 – 100

Any concentration shown as a range is to protect confidentiality and has been withheld as a trade secret
There are no additional ingredients present at a % which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits, if available, are listed in Section 8

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms continue.
Skin Contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep in a position comfortable for breathing. Get medical attention if symptoms occur.

Potential acute health effects

Eye contact	: May cause mechanical irritation (abrasion)
Inhalation	: No known significant effects or critical hazards
Skin Contact	: May cause mechanical irritation (abrasion)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire

Specific hazards during fire fighting : Avoid creating dust

Hazardous thermal decomposition products : None known

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Further information

: Standard procedure for chemical fires. Promptly isolate the scene by by removing all persons from the vicinity if there is a fire.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations and guidelines.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective equipment and
Emergency procedures

Environmental precautions

Methods and materials for
containment and cleaning up

: Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment, See also Section 8. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid breathing dust. Put on appropriate personal protective equipment.

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has not been contained.

: If the spilled material contains dust, approach from upwind and use vacuum with HEPA filtration filters
Dry sweeping is not recommended. Wet sand can be used and product disposed of in a sealed container.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures

Conditions for safe storage

: Avoid breathing dust. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands before eating or drinking. Eating and drinking should be prohibited in areas where this material is handled and stored and processed.

: Keep in a tightly closed container in a dry, cool well ventilated area.

SECTION 8. Exposure controls/personal protection

Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Titanium Dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m3 total dust	IDHL: 5000 mg/m3

Appropriate engineering controls

Personal protection
Hygiene measures

: Use only with adequate ventilation. Apply technical measures to comply with occupational exposure limits.

: Wash hands, forearms and face thoroughly after handling chemical products and before eating. Appropriate techniques should be used to remove potentially contaminated clothing. Ensure that eyewash stations are close to the workstation location.

Respiratory protection	: Although no exposure limit has been established for this product, the OSHA PEL for Particulates NOT Otherwise Regulated (PNOR) of 5 mg/m3 – total dust, 5 mg/m3 respirable fraction is recommended. In addition, the ACGIH recommends 0.2 mg/m3 - respirable particles and 0.2 mg/m3 – inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS). The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline. Dust-protection mask if there is a risk of dust formation. NIOSH approved air-purifying particulate respirator with N100 filters.
Skin protection	: Wear suitable protective clothing and gloves

SECTION 9. Physical and Chemical Properties

Appearance	: Powder
Physical State	: Solid
Color	: Off White
Odor	: Odorless
pH	: 6 – 8 Concentration : 5 %
Melting point/range	: 1830 oC
Boiling point	: Not Applicable
Specific Gravity	: 3.7 – 4.1
Evaporation rate	: Not Applicable
Self-ignition	: No data available
Upper explosion limit	: Not Applicable
Upper flammability limit	: No data available
Vapor pressure	: Not applicable
Bulk density	: No data available
Water Soluble	: Insoluble
Solubility in other solvents	: No data available
Auto-ignition temperature	: Not determined
Decomposition temperature	: No data available
VOC content (%)	: Not Applicable

SECTION 10. Stability and Reactivity

Chemical stability	: The product is chemically stable
Reactivity	; None known
Possibility of hazardous reaction	: No dangerous reaction known under conditions of normal use
Conditions to avoid	: Avoid the creation of dust when handling.
Incompatible materials	: None known
Hazardous decomposition products	: No decomposition if stored and used as directed

SECTION 11. Toxicological Information

Information on likely routes of exposure

Product Information	: Information in this section is a summary of the conclusions of the chemical safety assessment conducted under REACH
Inhalation	: As a nuisance dust, prolonged exposures above recommended levels may cause adverse effects on the lungs.
Eye Contact	: Not an expected route of exposure
Skin Contact	: Titanium Dioxide does not penetrate either intact or abraded human skin
Ingestion	: Not an expected route of exposure

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide 13463-67-7	> 5000 mg/kg (Rat)	-	>8.82 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms	No information available.
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Delayed and immediate effects as well as chronic effects from short and long term exposure

Skin irritation	Titanium Dioxide was not classified as a skin irritant based on in vivo test results for titanium dioxide submitted in the European Union (REACH) joint submission registration dossier for the substance.
Serious eye damage/eye irritation	Titanium Dioxide was not classified as an eye irritant based on in vivo test results for titanium dioxide submitted in the European Union (REACH) joint submission registration dossier for the substance.
Sensitization	No information available.
Germ Cell Mutagenicity	Titanium dioxide was negative when tested in vitro in bacterial reverse mutation assays and in mammalian cell gene mutation and clastogenicity assays as well as when tested in vivo.
Carcinogenicity	Titanium dioxide is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. In lifetime inhalation studies of rats, airborne respirable size titanium dioxide particles have been shown to cause lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. However, other laboratory animals such as mice and hamsters did not develop lung tumors under similar testing. Furthermore, human epidemiology studies do not suggest an association between occupational exposure to titanium dioxide and risk of cancer.

Reproductive Toxicity	Titanium dioxide was not classified as a reproductive hazard based on in vivo results for titanium dioxide submitted in the European Union (REACH) joint submission registration dossier for the substance.
STOT – single exposure	No information available
STOT- repeated exposure	Repeated inhalation exposures in rats to poorly soluble dusts such as titanium dioxide lead to a pattern of pulmonary effects including inflammation and fibrosis that are not observed in other rodent species, nonhuman primates or humans under similar conditions. Therefore, titanium dioxide is not classified for repeated exposure.
Aspiration Hazard	Not applicable.
<u>Numerical measures of toxicity</u> Unknown acute toxicity	No information available.

SECTION 12. Ecological Information

Ecotoxicity	Titanium dioxide is of low acute aquatic toxicity
Persistence and degradability	Not readily biodegradeable
Bioaccumulation	Material does not bioaccumulate
Mobility in soil	Titanium dioxide is persistent and does not bioaccumulate
Other adverse effects	No known significant effects or critical hazards

SECTION 13. Disposal Considerations

Disposal methods	
Waste from residues	: The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers retain product residue; observe all precautions for product. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

SECTION 14. Transport Information

U.S. Department of Transportation (D.O.T.)	Not Regulated
International Maritime Dangerous Goods	Not Regulated
International Air (I.C.A.O. / I.A.T.A.)	Not Regulated

SECTION 15. Regulatory information

International inventories

The components of this product are reported in the following inventories:

TSCA (United States)	: On TSCA Inventory
DSL/NDSL (Canada)	: All components of this product are on the Canadian DSL
AICS (Australia)	: On the inventory or in compliance with the inventory
NzioC (New Zealand)	: On the inventory or in compliance with the inventory
EINECS (European Union)	: On the inventory or in compliance with the inventory
ENCS (Japan)	: On the inventory or in compliance with the inventory
KECL (Korea)	: On the inventory or in compliance with the inventory
PICCS (Philippines)	: On the inventory or in compliance with the inventory
IECSC (China)	: On the inventory or in compliance with the inventory
TCSI (Taiwan)	: On the inventory or in compliance with the inventory
INSQ (Mexico)	: On the inventory or in compliance with the inventory
SVVISS (Switzerland)	: On the inventory or in compliance with the inventory

OSHA Hazardous Substance	: This material is classified as not hazardous under OSHA regulations
SARA 313	: This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
SARA 311/312 Hazard Categories	: This product is not subject to SARA 311/312 under Acute, Fire, Sudden Release of Pressure or Reactive hazards but is considered a Chronic Hazard under this SARA title.
Clean Air Act (HAP)	: This product does not contain any Hazardous Air Pollutants (HAP) as defined by the U.S. Clean Air Act Section 112 (40 CFR 61)
Clean Air Act – Volatile Organic Compounds(VOC)	: This product does not contain any SOCMi Intermediate or Final Volatile Organic Compounds (VOC) as defined by the U.S. Clean Air Act Section 111 (40 CFR 60 489)
Clean Water Act CWA	: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21) and (40 CFR 122.42
CERCLA	: This material as supplied does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR302) or SARA (40 CFR 355). There may specific reporting requirements at the local, regional or state level pertaining to releases of this material

SECTION 16. Other information

National Fire Protection Association (U.S.A)

Flammability	0
Health	1
Instability/Reactivity	0

History

Date of issue : 08/13/2026

Date of previous issue : 10/24/2024

Other Information : This product is a pigment intended for industrial use. This products is not intended for consumption, cosmetic or medical end use. Clarke Colors will not knowingly sell product for use into these applications.

Disclaimer