



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set LIGHT

SECTION 1: Identification

Product identifier

Product name: Light

Product code: 81010000, 809010010

Recommended use of the product and restriction on use

Relevant identified uses: Use for cement applications

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

CTS Cement Manufacturing Corporation

12442 Knott St.

Garden Grove, CA 92841

800-929-3030

info@ctsceement.com

Emergency telephone number:

United States

INFOTRAC 1-800-535-5053

International

INFOTRAC 1-352-323-3500

SECTION 2: Hazard(s) identification

GHS classification:

Reproductive toxicity, category 2

Label elements

Hazard Pictograms:



Signal word: Warning

Hazard statements:

H361 Suspected of damaging fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.

P203 Obtain, read and follow all safety instructions before use.

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

P308+P313 If exposed or concerned, get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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Rapid Set LIGHT**Hazards not otherwise classified:**

None.

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 13469-97-7	Titanium dioxide	>98
CAS number: 77-99-6	Propylidynetrimethanol	<2

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures**Description of first aid measures****General notes:**

No hazards which require special first aid measures. If symptoms persist, call a physician.

After inhalation:

Remove to fresh air. If symptoms persist, call a physician.

After skin contact:

Wash off immediately with plenty of water.

After eye contact:

Rinse thoroughly with plenty of water, also under the eyelids.

After swallowing:

Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed**Acute and delayed symptoms and effects:**

Suspected of damaging fertility or the unborn child. Dust may cause irritation of respiratory tract. See section 8 of this sheet for exposure limits pertaining to nuisance dust or "particulates not otherwise regulated".

Immediate medical attention and special treatment

Specific treatment:

Treat symptomatically.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media:**

Water, Dry chemical, Carbon Dioxide, Foam, Sand. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Use of water spray when fighting fire may be inefficient.

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Rapid Set LIGHT**Specific hazards during fire-fighting:**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide (CO₂). Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Special precautions:

Thermal decomposition can lead to the release of irritating gases and vapors. Carbon monoxide. Carbon dioxide (CO₂).

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures:**

Avoid dust formation. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Environmental precautions:

See Section 12 for additional ecological information.

Methods and material for containment and cleaning up:

Vacuum or sweep up material and place in a designated labeled waste container. Prevent further leakage or spillage if safe to do so. Prevent dust cloud. With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Take up with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required.

Reference to other sections:

For waste disposal, see section 13 of the SDS. Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7: Handling and storage**Precautions for safe handling:**

Avoid creating dust. For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice. Smoking, eating, and drinking should be prohibited in the application area.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. None known incompatible materials based on the information supplied.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Titanium dioxide	13469-97-7	ACGIH TLV TWA 10 mg/m ³
United States (OSHA)	Titanium dioxide	13469-97-7	TWA: 15 mg/m ³ (Total dust)
	Titanium dioxide	13469-97-7	TWA: 10 mg/m ³ (Total dust)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Titanium dioxide	13469-97-7	IDLH: 5000 mg/m ³
	Titanium dioxide	13469-97-7	TWA: 2.4 mg/m ³ CIB 63 fine
	Titanium dioxide	13469-97-7	TWA: 0.3 mg/m ³ CIB 63 ultrafine

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Showers, eyewash stations, and ventilation systems.

Personal protection equipment**Eye and face protection:**

Avoid contact with eyes. Safety glasses with side-shields.

Skin and body protection:

Wear protective gloves and protective clothing. Protective shoes or boots.

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygienic measures:

Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Granular Solid; White granules
Odor	Odorless
Odor threshold	Not available
pH	7.0-10.0
Melting point/freezing point	>1000 °C (1832 °F)
Initial boiling point/range	Not applicable
Flash point (closed cup)	Not available
Evaporation rate	Not applicable

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Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not applicable
Vapor density	Not applicable
Density	Not available
Relative density	4.26 g/cm ³
Solubilities	Not available
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not available
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Not available
Oxidizing properties	Not available

Other information

VOC (Weight %)	0 g/l when mixed with water
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SECTION 10: Stability and reactivity**Reactivity:**

No data available.

Chemical stability:

Stable under normal conditions.

Possibility of hazardous reactions:

None under normal processing.

Conditions to avoid:

Extremes of temperature and direct sunlight.

Incompatible materials:

None known based on information supplied.

Hazardous decomposition products:

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information**Information on toxicological effects:**

Name	Species	Route	Result
Titanium dioxide	Rat	Oral	LD50: >10000 mg/kg

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	Rat	Inhalation	LD50: >5.09 mg/l (4 h)
Propylidynetrimethanol	Rat	Oral	LD50: 14100 mg/kg
	Rat	Inhalation	LC50: >0.85 mg/l (4 h)
	Rabbit	Dermal	LD50: >10000 mg/kg

Acute toxicity**Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Skin corrosion/irritation****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Serious eye damage/irritation****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Respiratory or skin sensitization****Assessment:** Based on available data, the classification criteria are not met.**Product data:** No data is available.**Substance data:** No data is available.**Carcinogenicity****Assessment:** Suspected of damaging fertility or the unborn child.

Product data: The table below indicates whether each agency has listed any ingredient as a carcinogen. Titanium Dioxide - In 2006, the International Agency for Research on Cancer (IARC) evaluated TiO₂ as "possibly carcinogenic to humans" (Group 2B) based primarily on studies in rats. Inhalation exposures to TiO₂ in rats can result in lung effects and lung tumors. However, it is generally recognized that the rat is uniquely sensitive to the effects of "lung overload" which is not observed in other species including humans (Ref. 6). These facts are supported by the results from four large epidemiology studies involving more than 20,000 workers in the titanium dioxide manufacturing industry in North America and Europe which indicate no association with an increased risk of cancer or with any other adverse lung effects (Ref. 1,2,3,4,5,7). These studies did not specifically differentiate between the ultrafine and pigmentary TiO₂. References: 1. Boffetta P, Gaborieau V, Nadon L, Parent M-E, Weiderpass E, Siemiatycki J. (2001). Exposure to titanium dioxide and risk of lung cancer in a population-based study from Montreal. *Scand. J. Work Environ. Health* 27:227-232. 2. Boffetta P., Soutar A., Cherrie J., Granath F., Andersen A., Anttila A., Blettner M., Gaborieau V., Klug S., Langard S., Luce D., Merletti F., Miller B., Mirabelli D., Pukkala E., Adami H-O., and Weiderpass E. (2004). Mortality among workers employed in the titanium dioxide industry in Europe. *Cancer Causes and Control* 15(7):697-706. 3. Chen J, and Fayerweather W. (1988). Epidemiologic study of workers exposed to titanium dioxide. *J. Occup. Med.* 30(12):937-42. 4. Fryzek J, Chadda B, Marano D, White K, Schweitzer S, McLaughlin J, and Blot W. (2003). A cohort mortality study among titanium dioxide manufacturing workers in the United States. *J. Occup. Environ. Med.* 45(4): 400-09. 5. Garabrant D.H., Fine L.J., Oliver C., Bernstein L., and Peters J.M. (1987). Abnormalities of pulmonary function and pleural disease among titanium metal production workers. *Scand. J. Work Environ. Health* 13(1):47-51. 6. Levy L. S. (1994). Squamous Lung Lesions Associated with Chronic Exposure by Inhalation of Rats to p-Aramid Fibrils (Fine Fiber Dust) and to Titanium Dioxide: Findings of a Pathology Workshop. In: Mohr, U (Ed), Toxic and carcinogenic effects of solid particles in the respiratory tract, ILSI Press, 473-478. 7. Ramanakumar AV, Parent ME, Latreille B, Siemiatycki J. (2008). Risk of

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lung cancer following exposure to carbon black, titanium dioxide and talc: results from two case-control studies in Montreal. Int J Cancer 122:183-9.

Substance data:

Name	Species	Result
Titanium dioxide		Group 2B: Possibly Carcinogenic to Humans

International Agency for Research on Cancer (IARC):

Name	Classification
Titanium dioxide	Group 2B - Possibly Carcinogenic to Humans

National Toxicology Program (NTP):

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data is available.

Substance data: No data is available.

Information on likely routes of exposure:**Product Information**

Inhalation	Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye contact	May cause mechanical irritation (abrasion).
Skin Contact	May cause mechanical irritation (abrasion).
Ingestion	Not for human consumption. May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics:

No data is available.

Other information:

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) > 5,000 mg/kg mg/l

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Name	Partition coefficient
Propylidyntrimethanol	-0.47

Mobility in soil**Product data:** No data available.**Substance data:** No data available.**Other adverse effects:** No data available.**SECTION 13: Disposal considerations****Disposal methods:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information**United States Transportation of dangerous goods (49 CFR DOT)**

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None

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Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations Inventory listing (TSCA): All the ingredients are listed on TSCA inventory.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 311/312 hazardous: Refer to SDS section 2 for GHS hazard classes applicable for this product.

SARA Section 313 toxic chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

13463-67-7	Titanium dioxide	Listed
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New Jersey Right to Know:

13463-67-7	Titanium dioxide	Listed
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New York Right to Know:

13463-67-7	Titanium dioxide	Listed
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Pennsylvania Right to Know:

13463-67-7	Titanium dioxide	Listed
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California Proposition 65:

L WARNING: Can expose you to titanium dioxide, a carcinogen See www.P65Warnings.ca.gov.

SECTION 16: Other information**Abbreviations and Acronyms:**

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ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Road Transport
AU: Australia
CA: Canada
CAS: Chemical Abstracts Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
CN: China
CPR: Controlled Products Regulations
DFG: Deutsche Forschungsgemeinschaft
DOT: Department of Transportation
DSL: Domestic Substances List
EEC: European Economic Community
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
EPA: Environmental Protection Agency
EU: European Association
IARC: International Agency for Research on Cancer
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
JP: Japan
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
Know: Octanol/water partition coefficient
KR: Korea
LEL: Lower Explosive Limit
UEL: Upper Explosive Limit
NIOSH: National Institute for Occupational Safety and Health Administration
PH: Philippines
RCRA: Resource Conservation and Recovery Act
OSHA: Occupational Safety and Health Administration
RID: European Rail Transport
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Transportation of Dangerous Goods
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average
US: United States

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Rapid Set LIGHT**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 1-0-0**HMIS:** 1-0-0-X**Initial preparation date:** 02/10/18**Version #:** 4**Revision Date:** 10/03/25**End of Safety Data Sheet**