



# Safety Data Sheet

## ECLIPSE STN WHITE TNT BS1



### 1. Identification

<b>Product identifier</b>	ECLIPSE STN WHITE TNT BS1
<b>Product code</b>	ECLWT-0130
<b>Other means of identification</b>	N.Av.
<b>Recommended use of the chemical and restrictions on use</b>	A protective and/or decorative finish or accompanying product. Not recommended for any other use not detailed on product data sheet or label.
<b>Distributor</b>	GEMINI INDUSTRIES, INC. 2300 Holloway Drive El Reno, OK 73036 USA  Tel. 1-800-262-5710 Fax 1-405-262-9310 <a href="http://www.gemini-coatings.com/">http://www.gemini-coatings.com/</a>
<b>Emergency phone number</b>	24-hour Emergency (Spill, Leak, Exposure or Accident) INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English)  HAZMAT Response and Safety Data Sheet Help: EMI 800-510-8510

### 2. Hazard identification

<b>Summary</b>	Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
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#### WHMIS 2015/GHS/OSHA HCS 2012



Carcinogenicity (Category 2)

#### WARNING

- H351: Suspected of causing cancer
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P280: Wear protective gloves, protective clothing and eye protection.
- P308+313: IF exposed or concerned: Get medical attention.
- P405: Store locked up.
- P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
Titanium dioxide	13463-67-7	10 - 30 %
2-Butoxyethanol	111-76-2	1 - 5 %
Diethylene glycol monobutyl ether	112-34-5	1 - 5 %

**Note:** The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
<b>Eye contact</b>	IMMEDIATELY! Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with plenty of water. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No additional information.
<b>Symptoms</b>	May cause redness and irritation of the skin and to eyes. Prolonged or excessive exposure may cause headache, drowsiness, nausea, dizziness, respiratory tract irritation.
<b>Notes to the physician</b>	Treat symptomatically. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water spray, carbon dioxide (CO <sub>2</sub> ).
<b>Specific hazards arising from the chemical</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
<b>Special protective actions for fire-fighters</b>	Use water spray to cool fire-exposed containers. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
	Prevent entry into sewers, closed areas and release to the environment.

<b>Environmental precautions</b>	
<b>Methods and materials for containment and cleaning up</b>	Ventilate the area well. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning by rinsing with water contaminated surface. Dispose via a licensed waste disposal contractor.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep away from heat and open flame. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. Remove contaminated clothing before entering eating areas. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	Store tightly closed and in properly labelled container in a dry, cool and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from direct sunlight and heat. Protect from freezing.
<b>Storage temperature</b>	15 to 25°C (59 to 77°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	Titanium dioxide: 5000 mg/m <sup>3</sup> . 2-Butoxyethanol: 700 ppm.			
Titanium dioxide	TWA (8h)	Total Dust	10 mg/m <sup>3</sup>	ACGIH , BC, ON, RSST
2-Butoxyethanol	TWA (8h)		20 ppm	ACGIH , BC, ON, RSST
Diethylene glycol monobutyl ether	TWA (8h)	Inhalable Fraction	10 ppm	ACGIH , ON
<b>Appropriate engineering controls</b>	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.			
<b>Individual protection measures</b>				
<b>Eye</b>	DO NOT wear contact lenses. Wear chemical splash goggles.			
<b>Hands</b>	Wear nitrile, PVC, or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use. Gloves must only be worn on clean hands.			
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. If necessary, wear an apron or long-sleeve protective coverall suit.			
<b>Respiratory</b>	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit, wear a half mask respirator with organic vapour cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with organic vapour cartridges and P100 filters.			
<b>Feet</b>	Wear rubber boots to clean up a spill.			

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Non-flammable
<b>Colour</b>	N.Av.	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	Characteristic	<b>Flash point</b>	>55°C (131°F)
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	>250°C (482°F)
<b>pH</b>	7.00	<b>Sensibility to electrostatic charges</b>	No
<b>Melting point</b>	<1°C (33.8°F)	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	<1°C (33.8°F)	<b>Vapour density</b>	N/Av. (Air = 1)
<b>Boiling point</b>	>55°C (131°F)	<b>Relative density</b>	1.1500 kg/L @ 20°C (68°F) (Water = 1)
<b>Solubility</b>	N.Av.	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	N/Av.	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	N/Av.	<b>Viscosity</b>	N/Av.
<b>Percent Wt. Volatile</b>	N/Av.	<b>Molecular mass</b>	N/Av.
<b>VOC (g/L)</b>	N/Av.	<b>% Volume Volatile (VOC)</b>	N/Av.
<b>VOC (lb/gal)</b>	N/Av.	<b>% Wt. Volatile (VOC)</b>	N/Av.
N/Av.: Not Available    N/Av.: Not Applicable    Und.: Undetermined    N/E: Not Established			

## 10. Stability and reactivity

<b>Reactivity</b>	No reaction expected.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	A dangerous reaction will not occur.
<b>Conditions to avoid</b>	Avoid sunlight and heat. Protect from freezing.
<b>Incompatible materials</b>	None reported.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.


## 11. Toxicological information

<b>Numerical measures of toxicity</b>	Titanium dioxide	Ingestion >10000 mg/kg Rat	LD50
		Inhalation >6.82 mg/l/4h Rat	LC50
		Skin >10000 mg/kg Rabbit	LD50
	2-Butoxyethanol	Ingestion 560 mg/kg Rat	LD50
		Inhalation 2.38 mg/l/4h Rat	LC50
		Skin 400 mg/kg Rabbit	LD50
		>2000 mg/kg Rat	LD50
		>2000 mg/kg Guinea pig	LD50
	Diethylene glycol monobutyl ether	Ingestion 5660 mg/kg Rat	LD50
		Skin 2700 mg/kg Rabbit	LD50
<b>Likely routes of exposure</b>	Skin, eyes, inhalation.		
<b>Delayed, immediate and chronic effects</b>	<b>Eye contact</b>	May cause redness and irritation to eyes. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient of this mixture gave not irritating to irritating results.	
	<b>Skin contact</b>	May cause redness and irritation of the skin. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient of this mixture gave not irritating to irritating results. Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed. 2-Butoxyethanol (CAS no 111-76-2) is toxic in contact with the skin.	
	<b>Inhalation</b>	Prolonged or excessive exposure may cause headache, drowsiness, nausea, dizziness, respiratory tract irritation. 2-Butoxyethanol (CAS no 111-76-2) is toxic if inhaled. The severity of symptoms may vary depending on exposure conditions.	
	<b>Ingestion</b>	Ingestion can cause abdominal pain, nausea, cramps, headache, dizziness, diarrhea and vomiting. 2-Butoxyethanol (CAS no 111-76-2) is harmful if swallowed.	
	<b>Respiratory or skin sensitization</b>	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.	
	<b>IARC/NTP Classification</b>	<b>Common name IARC NTP</b> Titanium dioxide 2B - <small>IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.</small>	
	<b>Carcinogenicity</b>	Contains an ingredient possibly carcinogenic to humans (Group 2B, IARC). If material is to be dried and sanded by users, the risk of inhalation of dust will be increased, together with the risk of cancer hazard.	
	<b>Mutagenicity</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.	
	<b>Reproductive toxicity</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.	
	<b>Specific target organ toxicity - single exposure</b>	No target organ is listed.	
	<b>Specific target organ toxicity - repeated exposure</b>	No target organ is listed.	
<b>Interactive effects</b>	No information available for this product.		
<b>Other information</b>	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the aerosols and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.		

## 12. Ecological information

<b>Ecological toxicity</b>	Fish - Pimephales promelas [flow-through]	LC50 >500 mg/L; 96 h (CAS no 13463-67-7)
	Aquatic Invertebrates - Daphnia pulex	EC50 >100 mg/L; 48 h (CAS no 13463-67-7)
	Fish - Lepomis macrochirus - Bluegill	LC50 1300 mg/L; 96 h (CAS no 112-34-5)
	Fish - Oncorhynchus mykiss - Rainbow trout	LC50 1474 mg/L; 96 h (CAS no 111-76-2)
	Aquatic invertebrates - Daphnia magna	EC50 1550 mg/L; 48 h (CAS no 111-76-2)
	Algae, Pseudokirchneriella subcapitata	EC50 1840 mg/L; 72 h (CAS no 111-76-2)
<b>Persistence</b>	No information available.	
<b>Degradability</b>	No information available.	
<b>Bioaccumulative potential</b>	No information available.	
<b>Mobility in soil</b>	No information available.	
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.	

## 13. Disposal considerations

	<p><b>Container</b></p> <p>Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Paint residues, including lacquers, dyes, shellacs, varnishes, paint solvents and thinners, can be reprocessed where there is a recovery program. Empty containers can be treated (recycled) where there is a recovery program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>
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## 14. Transport information

<b>UN Number</b>	UN N/A
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material does not contain marine pollutant.
<b>Special precautions for user</b>	No information available.
<b>TDG - Transportation of Dangerous Goods (Canada &amp; US DOT)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not available
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Not available
<p>These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.</p>	

## 15. Regulatory information

### CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Titanium dioxide	13463-67-7		X		
2-Butoxyethanol	111-76-2	X	X		X
Diethylene glycol monobutyl ether	112-34-5	X	X		X

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act

- DSL: Domestic Substances List Inventory

- NDSL: Non-Domestic Substances List Inventory

- NPRI: National Pollutant Release Inventory Substances

### UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Titanium dioxide	13463-67-7	X								
2-Butoxyethanol	111-76-2	X								
Diethylene glycol monobutyl ether	112-34-5	X				X				

- TSCA: Toxic Substance Control Act

- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances

- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals

- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances

- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant

- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants

- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention

- CWA 311: Clean Water Act - List of Hazardous Substances

- CWA Priority: Clean Water Act - Priority Pollutant list

### California Proposition 65

Common name	CAS	Cancer	Reproductive and Developmental Toxicity
Titanium dioxide	13463-67-7	X	

### Other regulations

<b>HMIS</b> 	<b>NFPA</b> 
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## 16. Other information

<b>Date (YYYY-MM-DD)</b>	GEMINI INDUSTRIES, INC. 2021-04-15
<b>Version</b>	01
<b>Other information</b>	REFERENCES: - The GHS hazards classification in this SDS is from the original SDS provided by the manufacturer. - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="https://haz-map.com/">https://haz-map.com/</a> - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité

du travail (CNESST), <https://www.cnesst.gouv.qc.ca/fr>

- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <https://pubchem.ncbi.nlm.nih.gov>

- IPCS INCHEM, Chemical Safety Information from Intergovernmental Organizations, Canadian Centre for Occupational Health and Safety (CCOHS), Copyright International Programme on Chemical Safety (IPCS), <http://www.inchem.org>

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

HMIS: Hazardous Materials Identification System

NFPA: National Fire Protection Association

OSHA: Occupational Safety and Health Administration (USA)

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

RSST: Règlement sur la santé et la sécurité du travail (Québec)

GHS: Globally Harmonized System

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health

STEL: Short Term Exposure Limit (15 min)

TWA: Time Weighted Averages

WHMIS: Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.