

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

1 Identification

- **Product Identifier**
- **Trade Name: ECO-TITE 5500 Clear**
- **Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
- **Product Description:** Sealant / Adhesive
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Silco Inc.
7635 St. Clair Avenue
Mentor, OH 44060
Phone: 440-975-8886
Fax: 440-975-8887
- **Emergency telephone number:** 440-975-8886

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Health hazard

Repr. 1A H360 May damage fertility or the unborn child.



Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.



Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2A H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 STOT SE 3 H335 May cause respiratory irritation.
 Flam. Liq. 4 H227 Combustible liquid.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Diisodecyl Phthalate
N-(3-(trimethoxysilyl)propyl)ethylenediamine
Trimethoxyvinylsilane
Dibutyltin dilaurate

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

· **Hazard statements:**

- H227 Combustible liquid.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H360 May damage fertility or the unborn child.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from flames and hot surfaces. – No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a poison center/doctor if you feel unwell.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
- P391 Collect spillage.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.
1 % of the mixture consists of component(s) of unknown toxicity.

· **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	2	Fire = 2
REACTIVITY	0	Physical Hazard = 0

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

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- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

CAS: 68515-49-1	Diisodecyl Phthalate ⚠ Repr. 2, H361; ⚠ Aquatic Acute 1, H400; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	15-35%
CAS: 2768-02-7	Trimethoxyvinylsilane ⚠ Flam. Liq. 2, H225; ⚠ Repr. 1A, H360; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Acute 2, H401	2-12%
CAS: 67-56-1 RTECS: PC 1400000	Methanol ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370	≤2.5%
CAS: 1760-24-3 RTECS: KV 7400000	N-(3-(trimethoxysilyl)propyl)ethylenediamine ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317	≤2.5%
CAS: 77-58-7 RTECS: WH 7000000	Dibutyltin dilaurate ⚠ Acute Tox. 3, H301; ⚠ Muta. 2, H341; Repr. 1B, H360; STOT RE 1, H372	≤2.5%

· **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

· **After inhalation:**

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In case of unconsciousness place patient stably in the side position for transportation.

· **After skin contact:**

Immediately wash skin with soap and plenty of water for at least 15 minutes.

Remove contaminated clothing and wash before reuse.

Get medical attention if symptoms occur.

· **After eye contact:**

If easy to do so, remove contact lenses if worn.

Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes.

Seek medical treatment.

· **After swallowing:**

Do not induce vomiting.

If conscious, give no more than two glasses of water.

Seek medical treatment.

· **Information for doctor**

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

May cause an allergic skin reaction. Prolonged exposure may cause chronic effects.

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

· **Indication of any immediate medical attention and special treatment needed:**

Methanol is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

5 Fire-Fighting Measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** No further relevant information.

· **Special hazards arising from the substance or mixture:**

Material supports combustion. Vapors are heavier than air and may travel along the ground, be moved by ventilation systems, settle in pits or low areas, and be ignited by ignition sources distant from the handling point. The material is lighter than water, burning spilled material will float on top of any water released from hose or sprinkler systems, spreading the fire beyond the initial fire response area. Never use welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur.

Hazardous decomposition products include: carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxides and incompletely burnt hydrocarbons.

· **Advice for firefighters**

· **Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

· **Additional information:** Cool fire exposed containers with water.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.
Avoid contact with skin, eyes and clothing.
Do not breathe vapor.

· **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.

· **Reference to other sections:**

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

2768-02-7	Trimethoxyvinylsilane	9.5 ppm
67-56-1	Methanol	530 ppm
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	23 mg/m ³
77-58-7	Dibutyltin dilaurate	1.1 mg/m ³
7631-86-9	Silicon Dioxide	18 mg/m ³
107-15-3	Ethylenediamine	0.88 ppm

(Contd. on page 5)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

· PAC-2:		
2768-02-7	Trimethoxyvinylsilane	100 ppm
67-56-1	Methanol	2,100 ppm
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	250 mg/m ³
77-58-7	Dibutyltin dilaurate	8 mg/m ³
7631-86-9	Silicon Dioxide	740 mg/m ³
107-15-3	Ethylenediamine	9.7 ppm
· PAC-3:		
2768-02-7	Trimethoxyvinylsilane	120 ppm
67-56-1	Methanol	7200* ppm
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	1,500 mg/m ³
77-58-7	Dibutyltin dilaurate	48 mg/m ³
7631-86-9	Silicon Dioxide	4,500 mg/m ³
107-15-3	Ethylenediamine	20 ppm

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
 Avoid contact with skin, eyes and clothing
 Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
 Keep protective respiratory device available.
 Product can separate methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
 Store in a cool, dry place.
 Store in a well ventilated place.
 Store in the original container.
 Protect from moisture.
- **Information about storage in one common storage facility:** See Section 10 (Incompatible materials)
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
 The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
 At this time, the other constituents have no known exposure limits.

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

68515-49-1 Diisodecyl Phthalate	
OSHA PEL	Short-term value: 5 mg/m ³
67-56-1 Methanol	
PEL	Long-term value: 260 mg/m ³ , 200 ppm
REL	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV	Short-term value: 328 mg/m ³ , 250 ppm Long-term value: 262 mg/m ³ , 200 ppm Skin; BEI
77-58-7 Dibutyltin dilaurate	
PEL	Long-term value: 0.1 mg/m ³ as Sn
REL	Long-term value: 0.1 mg/m ³ as Sn, Skin
TLV	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ as Sn; Skin
· Ingredients with biological limit values:	
67-56-1 Methanol	
BEI	15 mg/L urine end of shift Methanol (background, nonspecific)

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

· **Personal protective equipment**

· **General protective and hygienic measures:**

- Do not smoke around this product.
- Do not eat or drink while handling product.
- The usual precautionary measures for handling chemicals should be followed.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing and wash before reuse.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

· **Breathing equipment:**



NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

· **Protection of hands:**



Protective gloves

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

- **Material of gloves:** Any liquid-tight rubber or vinyl rubber protective gloves.
- **Eye protection:**



Tightly sealed goggles

- **Limitation and supervision of exposure into the environment:**
Keep away from drains, surface and ground waters.
Avoid release into the environment.

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Paste

Color: Clear

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: $\geq 288\text{ }^{\circ}\text{C}$ ($\geq 550.4\text{ }^{\circ}\text{F}$)

- **Flash point:** $66\text{ }^{\circ}\text{C}$ ($150.8\text{ }^{\circ}\text{F}$)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** $\geq 305\text{ }^{\circ}\text{C}$ ($\geq 581\text{ }^{\circ}\text{F}$)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

- **Vapor pressure @ 20 °C (68 °F):** $>0\text{ hPa}$ ($>0\text{ mm Hg}$)

- **Density @ 20 °C (68 °F):** 1.0 g/cm^3 (8.345 lbs/gal)

- **Relative density:** Not determined.

- **Vapor density:** Not determined.

- **Evaporation rate:** Not determined.

- **Solubility in / Miscibility with:**

Water: Insoluble.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

Dynamic @ 23 °C (73.4 °F): $300,000\text{ cPs}$ (BROOKFIELD)

Kinematic: Not determined.

- **Solvent content:**

VOC content: 26 g/l

(Contd. on page 8)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

- **Other information:** Explosion limits for released methanol: 5.5 - 44% (V).

10 Stability and Reactivity

- **Reactivity:** Stable under normal conditions.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
Thermal decomposition will result in carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide, nitrogen oxides and incompletely burnt hydrocarbons.
- **Possibility of hazardous reactions:** Reacts with: water. Reaction causes the formation of: methanol.
- **Conditions to avoid:** Moisture
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Under effect of humidity, water & protic agents: methanol

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
67-56-1 Methanol		
Oral	LD50	1,187 mg/kg (Rat)
Dermal	LD50	17,100 mg/kg (Rabbit)
Inhalative	LC50/4 h	128.2 mg/l (Rat)
	LC50/96 hours	15,400 mg/l (Trout)
77-58-7 Dibutyltin dilaurate		
Oral	LD50	175 mg/kg (Rat)
	Toxic Dose Low	50,532 µg/kg (Rat)
	LC50/48 hrs	>0.5 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:**
Irritant to skin and mucous membranes.
May cause an allergic skin reaction.
- **On the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
Although IARC has classified Silicon Dioxide as possibly carcinogenic to humans (3), their summary concludes: "No significant exposure to Silicon Dioxide is thought to occur during the use of products which Silicon Dioxide is bound to other materials such as in cosmetics, paints, inks and other applications where the Silicon Dioxide presents no respirable hazard"
(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints."
(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

- Group 2B - Possibly carcinogenic to humans
- Group 3 - Not classifiable as to its carcinogenicity to humans
- Group 4 - Probably not carcinogenic to humans

7631-86-9	Silicon Dioxide	3
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· NTP (National Toxicology Program):	None of the ingredients are listed.
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· OSHA-Ca (Occupational Safety & Health Administration):	None of the ingredients are listed.
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12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

68515-49-1 Diisodecyl Phthalate	
EC50	0.02 mg/l (Water flea)
67-56-1 Methanol	
EC50	22,000 mg/l (Green algae)
	10,000 mg/l (Daphnia)

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
Poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number:**
- **DOT** NA1993
- **ADR/ADN, IMDG, IATA** UN3082

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

- **UN proper shipping name:** COMBUSTIBLE LIQUID, N.O.S
- **DOT** UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisodecyl Phthalate, Trimethoxyvinylsilane)
- **ADR/ADN** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisodecyl Phthalate, Trimethoxyvinylsilane), MARINE POLLUTANT
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisodecyl Phthalate, Trimethoxyvinylsilane)
- **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diisodecyl Phthalate, Trimethoxyvinylsilane)

· **Transport hazard class(es):**

· **DOT**



- **Class:** 3 Combustible liquids
- **Label:** 3

· **ADR/ADN**



- **Class:** 9 (M6) Miscellaneous dangerous substances and articles
- **Label:** 9

· **IMDG, IATA**



- **Class:** 9 Miscellaneous dangerous substances and articles
- **Label:** 9
- **Packing group:** III
- **DOT, ADR/ADN, IMDG, IATA** III
- **Environmental hazards:** Product contains environmentally hazardous substances: Diisodecyl Phthalate
- **Special marking (ADR/ADN):** Symbol (fish and tree)
- **Special marking (IATA):** Symbol (fish and tree)
- **Special precautions for user:** Warning: Miscellaneous dangerous substances and articles
- **Danger code (Kemler):** 90
- **EMS Number:** F-A,S-F
- **Stowage Category** A
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations:** On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

(Contd. on page 11)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

- **ADR/ADN**
- **Excepted quantities (EQ):** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

- **IMDG**
- **Limited quantities (LQ):** 5L
- **Excepted quantities (EQ):** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIISODECYL PHTHALATE, TRIMETHOXYVINYL SILANE), 9, III

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

Section 355 (extremely hazardous substances):	
107-15-3	Ethylenediamine

Section 313 (Specific toxic chemical listings):	
67-56-1	Methanol

TSCA (Toxic Substances Control Act):	
68515-49-1	Diisodecyl Phthalate
2768-02-7	Trimethoxyvinylsilane
67-56-1	Methanol
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine
77-58-7	Dibutyltin dilaurate
7631-86-9	Silicon Dioxide
82919-37-7	Decanedioic acid
68845-16-9	BIS[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENE DIAMINE
107-15-3	Ethylenediamine
125643-61-0	A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate

- **California Proposition 65:**
Warning: This product contains a chemical known in the state of California to cause birth defects.

Chemicals known to cause cancer:	
None of the ingredients are listed.	

Chemicals known to cause reproductive toxicity for females:	
None of the ingredients are listed.	

Chemicals known to cause reproductive toxicity for males:	
None of the ingredients are listed.	

Chemicals known to cause developmental toxicity:	
68515-49-1	Diisodecyl Phthalate
67-56-1	Methanol

New Jersey Right-to-Know List:	
67-56-1	Methanol

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 06/17/2019

Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

107-15-3	Ethylenediamine	
· New Jersey Special Hazardous Substance List:		
67-56-1	Methanol	TE, F3
107-15-3	Ethylenediamine	CO, F2
· Pennsylvania Right-to-Know List:		
7631-86-9	Silicon Dioxide	
107-15-3	Ethylenediamine	
· Pennsylvania Special Hazardous Substance List:		
107-15-3	Ethylenediamine	E
· Carcinogenic categories:		
· EPA (Environmental Protection Agency):		
107-15-3	Ethylenediamine	D
· TLV (Threshold Limit Value established by ACGIH):		
77-58-7	Dibutyltin dilaurate	A4
107-15-3	Ethylenediamine	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health):		
None of the ingredients are listed.		

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:



· Signal word: Danger

· Hazard-determining components of labeling:

- Diisodecyl Phthalate
- N-(3-(trimethoxysilyl)propyl)ethylenediamine
- Trimethoxyvinylsilane
- Dibutyltin dilaurate

· Hazard statements:

- H227 Combustible liquid.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H360 May damage fertility or the unborn child.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from flames and hot surfaces. – No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Reviewed on 06/17/2019

Trade Name: ECO-TITE 5500 Clear

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	If on skin: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use for extinction: CO ₂ , powder or water spray.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of last revision/ revision number: 06/17/2019 / 12

· Abbreviations and acronyms:

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety & Health Administration
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 4: Flammable liquids – Category 4
- Acute Tox. 3: Acute toxicity – Category 3

(Contd. on page 14)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Trade Name: ECO-TITE 5500 Clear

Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Muta. 2: Germ cell mutagenicity – Category 2
Repr. 1A: Reproductive toxicity – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

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