



## Safety Data Sheet FOR INDUSTRIAL USE ONLY

TD SAND GRAY

Revision Date 6/6/2019

### 1. Identification

Product Name: TD SAND GRAY

SDS Number: TD Sand

Product Use: Industrial

Manufacturer, Importer,  
Supplier Polynt Composites USA, Inc.  
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Carpentersville IL 60110

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Telephone

For Emergency Transportation Information  
CHEMTREC US Domestic (800) 424-9300  
CHEMTREC International (703) 741-5970

For additional health, safety or regulatory information, call (847) 836-3659

### 2. Hazard identification

**EMERGENCY OVERVIEW:** May cause sensitization by inhalation and skin contact. Risk of serious damage to the lungs (by aspiration).

#### GHS Classification

Acute Tox. 4 Inhalation, Carc. 2, Eye Irrit. 2, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, STOT RE 1, STOT SE 3 NE

#### Symbol(s) of Product



#### Signal Word

Danger

#### Possible Hazards

37% of the mixture consists of ingredient(s) of unknown acute toxicity

#### GHS HAZARD STATEMENTS

|                                        |      |                                |
|----------------------------------------|------|--------------------------------|
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.            |
| Carcinogenicity, category 2            | H351 | Suspected of causing cancer.   |
| Eye Irritation, category 2             | H319 | Causes serious eye irritation. |
| Flammable Liquid, category 3           | H226 | Flammable liquid and vapour.   |

|                                       |      |                                                                 |
|---------------------------------------|------|-----------------------------------------------------------------|
| STOT, repeated exposure, category 1   | H372 | Causes damage to organs through prolonged or repeated exposure. |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness.                              |
| Skin Irritation, category 2           | H315 | Causes skin irritation.                                         |
| Skin Sensitizer, category 1           | H317 | May cause an allergic skin reaction.                            |

**GHS LABEL PRECAUTIONARY STATEMENTS**

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P201           | Obtain special instructions before use.                                                                                          |
| P210           | Keep away from heat/sparks/open flames/hot surfaces. No smoking.                                                                 |
| P260           | Do not breathe dust/fume/gas/mist/vapours/spray.                                                                                 |
| P264           | Wash ... thoroughly after handling.                                                                                              |
| P271           | Use only outdoors or in a well-ventilated area.                                                                                  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P281           | Use personal protective equipment as required.                                                                                   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                              |
| 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 or doctor/physician if you feel unwell.                                                                     |
| P321           | Specific treatment (see ... on this label).                                                                                      |
| 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.                                                                        |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                                                                         |
| P370+P378      | In case of fire: Use dry chemical, foam, water spray to extinguish.                                                              |
| 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 to in accordance with local/regional/national/international regulations.                           |

**GHS SDS PRECAUTIONARY STATEMENTS**

|      |                                                                     |
|------|---------------------------------------------------------------------|
| P240 | Ground/bond container and receiving equipment.                      |
| P241 | Use explosion-proof electrical/ventilating/lighting/.../ equipment. |
| P242 | Use only non-sparking tools.                                        |
| P243 | Take precautionary measures against static discharge.               |
| P270 | Do not eat, drink or smoke when using this product.                 |
| P363 | Wash contaminated clothing before reuse.                            |

**3. Composition/Information on ingredients**

| <b>Chemical Name</b>                           | <b>CAS-No.</b> | <b>Wt. %</b> |
|------------------------------------------------|----------------|--------------|
| Styrene                                        | 100-42-5       | 19.79        |
| CALCIUM CARBONATE                              | 1317-65-3      | 10 - 20      |
| TALC (HYDROUS MAGNESIUM SILICATE)              | 14807-96-6     | 10 - 20      |
| Titanium oxide                                 | 13463-67-7     | 5.0 - 10     |
| 2-Butanone                                     | 78-93-3        | 5.0 - 10     |
| Hydroxyethyl Methacrylate                      | 868-77-9       | 1.0-5.0      |
| Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) | 136-52-7       | 0.1-1.0      |

**4. First-aid measures**

**FIRST AID - EYE CONTACT:** If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**FIRST AID - INGESTION:** Aspiration hazard if swallowed - can enter lungs and cause damage. If ingested, consult a physician. Do NOT induce vomiting.

**FIRST AID - INHALATION:** Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

**FIRST AID - SKIN CONTACT:** Wash with soap and water. Remove contaminated clothes and shoes. Get medical attention if irritation develops.

## 5. Fire-fighting measures

### Extinguishing Media:

Suitable

Carbon Dioxide, Dry Chemical, Foam, Water Fog

Not suitable

Water Jet

**SPECIAL FIREFIGHTING PROCEDURES:** Use full protective clothing. Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Do not use a solid water stream as it may scatter and spread fire. Cool containers / tanks with water spray. In case of fire: Use carbon dioxide, dry chemical, foam, water fog to extinguish. Vapors may be ignited by heat, pilot lights, other flames and ignition sources. Self-accelerating decomposition may occur if the specific control temperature is not maintained. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.).

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

## 6. Accidental release measures

**ENVIRONMENTAL MEASURES:** Prevent entry into waterways, sewers, basements or confined areas. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Avoid breathing vapors or mists. Use non-sparking tools and equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. Do not flush into surface water or sanitary sewer system. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

**PRECAUTIONARY MEASURES:** No Information

## 7. Handling and storage



**HANDLING:** Wash contaminated clothing before reuse. Avoid contact with skin, eyes and clothing. Ground/bond container and equipment. Wear personal protective equipment. Use only in well-ventilated areas. Keep away from heat and sources of ignition. Do not breathe vapors, mist or gas.

**STORAGE:** Store contents under 100F (37.8C). Store drums with bung in the upright position. Electrical equipment must be grounded; suitable for the classification of the area where it is installed and conform to the National Electric Code (see NFPA 70). Store in cool well ventilated space away from incompatible materials. Keep container closed when not in use. Store and dispose according to national, state and local regulations.

**HYGIENIC PRACTICES:** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. General industrial hygiene practice. Wash hands before eating, drinking, or smoking.

**WORK PRACTICES:** Put on appropriate personal protective equipment. Wash hands after handling chemicals and before eating, drinking, or smoking. Read and understand entire SDS before handling chemical.

**SPECIAL HANDLING PROCEDURES:** Put on appropriate personal protective equipment. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

## 8. Exposure controls/personal protection

### Ingredients with Occupational Exposure Limits

| Chemical Name                                  | ACGIH TLV-TWA | ACGIH-TLV STEL | OSHA PEL-TWA | OSHA CEILING |
|------------------------------------------------|---------------|----------------|--------------|--------------|
| Styrene                                        | 20 ppm        | 40 ppm         | 100 ppm      | 200 ppm      |
| CALCIUM CARBONATE                              | N.E.          | N.E.           | 15 mg/m3     | N.E.         |
| TALC (HYDROUS MAGNESIUM SILICATE)              | 2 mg/m3       | N.E.           | N.E.         | N.E.         |
| Titanium oxide                                 | 10 mg/m3      | N.E.           | 15 mg/m3     | N.E.         |
| 2-Butanone                                     | 200 ppm       | 300 ppm        | 200 ppm      | N.E.         |
| Hydroxyethyl Methacrylate                      | N.E.          | N.E.           | N.E.         | N.E.         |
| Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) | N.E.          | N.E.           | N.E.         | N.E.         |

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation  
Sk = Skin Sensitizer N.E. = Not Established

### Personal Protection



**RESPIRATORY PROTECTION:** When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full facepiece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary. Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.



**SKIN PROTECTION:** Wear suitable protective equipment. Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.



**EYE PROTECTION:** Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses with side-shields. Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.



**OTHER PROTECTIVE EQUIPMENT:** Use good hygiene practices. Wash face and hands before eating, drinking, and smoking. Eye wash and safety showers should be readily available.



**HYGIENIC PRACTICES:** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. General industrial hygiene practice. Wash hands before eating, drinking, or smoking.

## 9. Physical and chemical properties

|                          |                   |                                         |               |
|--------------------------|-------------------|-----------------------------------------|---------------|
| Color:                   | Gray              | Physical State:                         | Liquid        |
| Odor:                    | Moderate aromatic | Odor Threshold:                         | Not Available |
| Density, g/cm3:          | 1.330             | pH:                                     | Not Available |
| Freeze Point, °C:        | Not Available     | Viscosity:                              | Not Available |
| Solubility in Water:     | Insoluble         | Partition Coefficient, n-octanol/water: | Not Available |
| Decomposition Temp., °C: | Not Available     | Flash Point, °C / F°                    | 26 / 79       |
| Boiling Range, °C:       | 100               | Explosive Limits, vol%:                 | Not Available |
| Vapor Pressure:          | Not Available     | Auto-ignition Temp., °C:                | Not Available |

(See "Other information" Section for abbreviation legend)

## 10. Stability and reactivity

**STABILITY:** The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerise with heat evolution. Stable under normal conditions.

**CONDITIONS TO AVOID:** Avoid improper addition of promotor and/or catalyst. Avoid direct contact of MEKP catalyst with accelerator. If adding accelerator like cobalt drier, mix accelerator with base material before adding catalyst. Burning may produce obnoxious and toxic fumes. Hazardous polymerization may occur. Keep product away from heat, sparks, pilot lights, static electricity, and open flame.

**INCOMPATIBILITY:** Free radical initiators. Copper. Strong acids. Metal salts. Strong oxidizing and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None under normal use.

## 11. Toxicological information



### Practical Experiences

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** Exposure may cause mild irritation. Symptoms may include stinging, tearing, and redness.

**EFFECT OF OVEREXPOSURE - INGESTION:** May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

**EFFECT OF OVEREXPOSURE - INHALATION:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). Prolonged, repeated or high exposures may cause central nervous system depression leading to headaches, nausea, drowsiness, dizziness, and possibly narcosis. In extreme cases, may cause loss of consciousness. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Ingestion of large doses may cause headaches, dizziness, nausea, vomiting, and drowsiness. Irritating to skin.

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** Prolonged skin contact may defat the skin and produce dermatitis.

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** Repeated or prolonged exposure may cause central nervous system damage. Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated exposure may cause liver and kidney effects.

**CARCINOGENICITY:** This product contains styrene classified by the International Agency for Research on Cancer (IARC) as 2A carcinogen.

This product contains styrene, which is listed in the NTP report on carcinogens.

This product may contain Titanium Dioxide, which 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. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Contact

#### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Name according to EEC</u>                   | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|------------------------------------------------|------------------|--------------------|-------------------|
| 100-42-5       | Styrene                                        | 1000 mg/kg Rat   | N.I.               | 11.7 mg/L Rat     |
| 13463-67-7     | Titanium oxide                                 | >10000 mg/kg Rat | N.I.               | N.I.              |
| 78-93-3        | 2-Butanone                                     | 2483 mg/kg Rat   | 5000 mg/kg Rabbit  | N.I.              |
| 868-77-9       | Hydroxyethyl Methacrylate                      | 5050 mg/kg Rat   | >3000 mg/kg Rabbit | N.I.              |
| 136-52-7       | Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) | N.I.             | >5000 mg/kg Rabbit | N.I.              |

N.I. = No Information

## 12. Ecological information

**ECOLOGICAL INFORMATION:** Ecological evaluation of this material has not been performed; however, do not allow the product to be released to the environment without governmental approval/permits. Discharge into the environment must be avoided.

## 13. Disposal considerations



**DISPOSAL METHOD:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

## 14. Transport information

**SPECIAL TRANSPORT PRECAUTIONS:** No Information

### International transport regulations

| Regulatory Information: | UN/NA Number | Proper Shipping Name | Classes/ *PG  | Reportable Quantity (RQ) |
|-------------------------|--------------|----------------------|---------------|--------------------------|
| CFR                     | UN1866       | RESIN SOLUTION       | Class 3 PGIII |                          |
| IMO/IMDG                | UN1866       | RESIN SOLUTION       | Class 3 PGIII |                          |
| IATA                    | UN1866       | RESIN SOLUTION       | Class 3 PGIII |                          |

## 15. Regulatory information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Acute Toxicity (any route of exposure), Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Styrene              | 100-42-5       |
| 2-Butanone           | 78-93-3        |
| BENZOIC ACID         | 65-85-0        |

#### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Styrene              | 100-42-5       |
| Aluminum oxide       | 1344-28-1      |

#### TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) regulated components exist in this product.

#### CALIFORNIA PROPOSITION 65 CARCINOGENS



WARNING: Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

| <u>Chemical Name</u>      | <u>CAS-No.</u> |
|---------------------------|----------------|
| Styrene                   | 100-42-5       |
| Ethylbenzene              | 100-41-4       |
| Benzene, (1-methylethyl)- | 98-82-8        |

### International Regulations

| Chemical Inventories              |                                           |
|-----------------------------------|-------------------------------------------|
| Australia inventory (AICS)        | Not listed                                |
| Canada inventory (DSL)            | One or more components are not on the DSL |
| Canada inventory (NDSL)           | One or more components are on the NDSL    |
| Japan Inventory (ENCSC)           | Not listed                                |
| China Inventory (IECSC)           | Not listed                                |
| Korea Inventory (KECI)            | Not listed                                |
| New Zealand (NZIoC)               | All components are listed or exempted     |
| Philippines (PICCS)               | Not listed                                |
| United States Inventory (TSCA 8b) | All components are listed or exempted     |

**16. Other information**

**Revision Date:** 6/6/2019 **Supersedes Date:** 2/26/2019  
**Reason for revision:** Updated SDS Information  
**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

|                |    |                      |   |                    |   |                             |      |                        |   |
|----------------|----|----------------------|---|--------------------|---|-----------------------------|------|------------------------|---|
| <b>Health:</b> | 2* | <b>Flammability:</b> | 3 | <b>Reactivity:</b> | 2 | <b>Personal Protection:</b> | N.I. | <b>Chronic Rating:</b> | * |
|----------------|----|----------------------|---|--------------------|---|-----------------------------|------|------------------------|---|

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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