

Revision Date 11-Aug-2015

Revision Number 2

## 1. IDENTIFICATION

**Product Identifier****Product Name** STAMPED STEEL**Other means of identification****Product Code(s)** 10099**Product Type** Polyester TGIC**Recommended use of the chemical and restrictions on use****Recommended Use** Industrial Coating.**Uses advised against** No information available**Details of the supplier of the safety data sheet****Supplier Address****The Eastwood Company**  
263 Shoemaker Road  
Pottstown, PA 19464**Phone:** 800-343-9353**Emergency Contact Number** CHEMTREC (800) 424-9300

## 2. HAZARDS IDENTIFICATION

**Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |             |
|--|-------------|
| Serious Eye Damage/Eye Irritation                  | Category 1  |
| Skin Sensitization                                 | Category 1  |
| Germ Cell Mutagenicity                             | Category 1B |
| Carcinogenicity                                    | Category 1A |
| Specific target organ toxicity (repeated exposure) | Category 2  |

**Label elements****Emergency Overview****Signal Word** Danger**Hazard Statements**Causes serious eye damage  
May cause an allergic skin reaction  
May cause genetic defects  
May cause cancer



**Appearance** Powder

**Physical State** Solid/Powder

**Odor** None

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves  
 Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 Specific treatment (see Section 4 on this SDS)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Fine dust dispersed in air, in the presence of an ignition source, is a potential explosion hazard  
 Dust may be irritating to eyes, nose, throat

**Other Information**

Unknown acute toxicity 2.0249 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

| Components   | CAS-No     | Weight % | Trade Secret |
|--|------------|----------|--------------|
| Barium sulfate   | 7727-43-7  | 10-30    | *            |
| TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione,<br>1,3,5-tris(oxiranylmethyl)- | 2451-62-9  | 1.0-10   | *            |
| Titanium Dioxide   | 13463-67-7 | 1.0-10   | *            |
| Rutile (TiO <sub>2</sub> )   | 1317-80-2  | <0.5%    | *            |
| Titanium dioxide   | 13463-67-7 | <0.5%    | *            |
| Carbon black   | 1333-86-4  | <0.5%    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Description of first aid measures**

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

|                     |   |
|---------------------|---|
| <b>Skin Contact</b> | Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. In the case of skin irritation or allergic reactions see a physician.          |
| <b>Inhalation</b>   | Move to fresh air.  |
| <b>Ingestion</b>    | None under normal use. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician. |

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

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use Foam Dry chemical or CO<sub>2</sub>

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific Hazards Arising from the Chemical**

Fine dust dispersed in air may ignite. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Explosion Data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Protective Equipment and Precautions for Firefighters**

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

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Use NIOSH/MSHA approved respirators if OSHA PEL is exceeded. Use impervious glove and body-covering clothing. Use side-shielded safety glasses or goggles.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

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

**Methods for Cleaning Up** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment should be avoided. Use non-sparking tools and equipment. Pick up and transfer to properly labeled containers. Dispose of according to local and regional authority requirements.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe dust. Avoid dust formation. Do not ingest.

**Conditions for safe storage, including any incompatibilities**

**Storage** Store in a dry, air conditioned place below 80F. Keep container tightly closed. Store in

accordance with local regulations. Store in original container.

**Incompatible Products** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

| Components   | ACGIH TLV                   | OSHA PEL   | NIOSH IDLH   |
|--|-----------------------------|--|--|
| Barium sulfate<br>7727-43-7  | TWA: 5 mg/m <sup>3</sup>    | TWA: 15 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>(vacated) TWA: 10 mg/m <sup>3</sup><br>(vacated) TWA: 5 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup>                                    |
| TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-<br>2451-62-9 | TWA: 0.05 mg/m <sup>3</sup> | COR  | COR  |
| Titanium Dioxide<br>13463-67-7   | TWA: 10 mg/m <sup>3</sup>   | TWA: 15 mg/m <sup>3</sup><br>(vacated) TWA: 10 mg/m <sup>3</sup>   | IDLH: 5000 mg/m <sup>3</sup>   |
| Rutile (TiO <sub>2</sub> )<br>1317-80-2  | TWA: 10 mg/m <sup>3</sup>   | TWA: 15 mg/m <sup>3</sup><br>(vacated) TWA: 10 mg/m <sup>3</sup>   | IDLH: 5000 mg/m <sup>3</sup>   |
| Titanium dioxide<br>13463-67-7   | TWA: 10 mg/m <sup>3</sup>   | TWA: 15 mg/m <sup>3</sup><br>(vacated) TWA: 10 mg/m <sup>3</sup>   | IDLH: 5000 mg/m <sup>3</sup>   |
| Carbon black<br>1333-86-4  | TWA: 3 mg/m <sup>3</sup>    | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>   | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> |

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Avoid contact with eyes. Eye protection.

**Skin and Body Protection** Wear protective gloves/clothing.

**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.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                          |                       |                   |
|-----------------------|--------------------------|-----------------------|-------------------|
| <b>Physical State</b> | Solid/Powder             | <b>Odor</b>           | Odorless          |
| <b>Appearance</b>     | Powder                   | <b>Odor Threshold</b> | No data available |
| <b>Color</b>          | No information available |                       |                   |

| <u>Property</u>                              | <u>Values</u>                       | <u>Remarks • Method</u> |
|--|-------------------------------------|-------------------------|
| <b>pH</b>                                    | No information available on mixture |                         |
| <b>Melting point/freezing point</b>          |                                     |                         |
| <b>Boiling Point/Range</b>                   | No information available on mixture |                         |
| <b>Flash Point</b>                           | No information available on mixture |                         |
| <b>Evaporation Rate</b>                      | No information available            |                         |
| <b>Flammability (solid, gas)</b>             | No information available            |                         |
| <b>Flammability Limit in Air</b>             |                                     |                         |
| <b>Upper explosive (flammability) limit:</b> | 70 g/m <sup>3</sup>                 |                         |

|  |                                     |
|--|-------------------------------------|
| <b>Lower explosive (flammability) limit:</b> | 30 g/m <sup>3</sup>                 |
| <b>Vapor pressure</b>                        | Negligible                          |
| <b>Vapor Density</b>                         | No information available on mixture |
| <b>Specific Gravity</b>                      | 1.2-1.8                             |
| <b>Water Solubility</b>                      | Immiscible in water                 |
| <b>Solubility in other solvents</b>          | No information available on mixture |
| <b>Partition coefficient</b>                 | No information available            |
| <b>Autoignition Temperature</b>              |                                     |
| <b>Decomposition Temperature</b>             | No information available            |
| <b>Kinematic viscosity</b>                   | No information available            |
| <b>Dynamic viscosity</b>                     | No information available on mixture |
| <b>Explosive Properties</b>                  | No information available            |
| <b>Oxidizing Properties</b>                  | No information available            |

**Other Information**

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Softening Point</b> | No information available on mixture |
| <b>% Solids</b>        | 100                                 |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Excessive heat.

**Incompatible Materials**

Strong oxidizing agents, strong acids, and strong bases.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors. Upon heating, may release oxides of carbon.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment. |
| <b>Inhalation</b>          | May cause irritation of respiratory tract.   |
| <b>Eye Contact</b>         | Contact with eyes may cause irritation.  |
| <b>Skin Contact</b>        | Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Repeated exposure may cause skin dryness or cracking. May cause irritation.    |
| <b>Ingestion</b>           | Not an expected route of exposure. May be harmful if swallowed.  |

| Components   | LD50 Oral             | Dermal LD50 | Inhalation LC50: |
|--|-----------------------|-------------|------------------|
| TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-2451-62-9 | = 188 mg/kg ( Rat )   | COR         | COR              |
| Titanium Dioxide<br>13463-67-7   | > 10000 mg/kg ( Rat ) | COR         | COR              |
| Rutile (TiO2)<br>1317-80-2   | > 10000 mg/kg ( Rat ) | COR         | COR              |
| Titanium dioxide<br>13463-67-7   | > 10000 mg/kg ( Rat ) | COR         | COR              |
| Carbon black<br>1333-86-4  | > 15400 mg/kg ( Rat ) | COR         | COR              |

**Information on toxicological effects**

**Symptoms** No information available on mixture.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** May cause sensitization of susceptible persons.  
**Mutagenic Effects** No information available on specific mixture.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Components                     | ACGIH | IARC     | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| Titanium Dioxide<br>13463-67-7 | COR   | Group 2B | COR | X    |
| Rutile (TiO2)<br>1317-80-2     | COR   | Group 2B | COR | X    |
| Titanium dioxide<br>13463-67-7 | COR   | Group 2B | COR | X    |
| Carbon black<br>1333-86-4      | A3    | Group 2B | COR | X    |

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic Toxicity** Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Experiments have shown reproductive toxicity effects on laboratory animals. See Section 11 for additional Toxicological Information.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

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

**ATEmix (oral)** 2,286.00  
**ATEmix (inhalation-dust/mist)** 7.06

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

15.779819% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and Degradability**

No information available.

**Bioaccumulation/ Accumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA 8(b)** At least one component is not listed

**DSL/NDSL** At least one component is not listed

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Components                 | Weight % | SARA 313 - Threshold Values % |
|----------------------------|----------|-------------------------------|
| Barium sulfate - 7727-43-7 | 10-30    | 1.0                           |
| CHROMIUM - 7440-47-3       | <0.5%    | 1.0                           |
| Manganese - 7439-96-5      | <0.1%    | 1.0                           |

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

| Components             | Weight % | HAPS data |
|------------------------|----------|-----------|
| CHROMIUM<br>7440-47-3  | <0.5%    |           |
| Manganese<br>7439-96-5 | <0.1%    |           |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

| Components                    | California Prop. 65 |
|-------------------------------|---------------------|
| Titanium Dioxide - 13463-67-7 | Carcinogen          |
| Rutile (TiO2) - 1317-80-2     | Carcinogen          |
| Titanium dioxide - 13463-67-7 | Carcinogen          |
| Carbon black - 1333-86-4      | Carcinogen          |

**U.S. State Right-to-Know Regulations****U.S. EPA Label Information**

EPA Pesticide Registration Number No data available

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|                            |                 |                |                    |                                   |
|----------------------------|-----------------|----------------|--------------------|-----------------------------------|
| <b><u>NFPA</u></b>         | Health Hazard 2 | Flammability 1 | Instability 0      | Physical and Chemical Hazards COR |
| <b><u>HMIS / WHMIS</u></b> | Health Hazard 2 | Flammability 1 | Physical Hazards 0 | Personal Precautions X            |

Revision Date 11-Aug-2015

**Revision Note**

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, and transportation.

**End of SDS**