



SAFETY DATA SHEET

Revision Date 11-Aug-2015

Revision Number 2

1. IDENTIFICATION

Product Identifier

Product Name Cast Aluminum

Other means of identification

Product Code(s) 10095

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 2 |
| 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

Suspected of causing 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 10.55429073 % 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 | 1.0-10 | * |
| Titanium Dioxide | 13463-67-7 | 1.0-10 | * |
| Zinc | 7440-66-6 | 1.0-10 | * |
| TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)- | 2451-62-9 | 1-5% | * |
| Calcium Carbonate | 1317-65-3 | 1-5% | * |
| Zinc Oxide | 1314-13-2 | <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.

| | |
|---------------------|---|
| Skin Contact | 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. |
| Inhalation | Move to fresh air. |
| Ingestion | 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

Dry chemical or CO₂ Foam

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 7727-43-7 | TWA: 5 mg/m ³ | TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 10 mg/m ³ (vacated) TWA: 5 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ |
| Titanium Dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ (vacated) TWA: 10 mg/m ³ | IDLH: 5000 mg/m ³ |
| TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)- 2451-62-9 | TWA: 0.05 mg/m ³ | COR | COR |
| Calcium Carbonate 1317-65-3 | COR | TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ |
| Zinc Oxide 1314-13-2 | 10 mg/m ³ STEL (respirable fraction) TWA: 2 mg/m ³ | TWA: 5 mg/m ³ TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³ (vacated) TWA: 10 mg/m ³ (vacated) STEL: 10 mg/m ³ | IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³ |
| Carbon black 1333-86-4 | TWA: 3 mg/m ³ | TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³ | IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ |

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

| | | | |
|-------------------------------------|-------------------------------------|-------------------------|-------------------|
| Physical State | Solid/Powder | Odor | Odorless |
| Appearance | Powder | Odor Threshold | No data available |
| Color | No information available | | |
| Property | Values | Remarks • Method | |
| pH | No information available on mixture | | |
| Melting point/freezing point | No information available on mixture | | |
| Boiling Point/Range | No information available on mixture | | |
| Flash Point | No information available on mixture | | |

| | |
|--|-------------------------------------|
| Evaporation Rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | |
| Upper explosive (flammability) limit: | 70 g/m ³ |
| Lower explosive (flammability) limit: | 30 g/m ³ |
| Vapor pressure | Negligible |
| Vapor Density | No information available on mixture |
| Specific Gravity | 1.2-1.8 |
| Water Solubility | Immiscible in water |
| Solubility in other solvents | No information available on mixture |
| Partition coefficient | No information available |
| Autoignition Temperature | |
| Decomposition Temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available on mixture |
| Explosive Properties | No information available |
| Oxidizing Properties | No information available |

Other Information

| | |
|------------------------|-------------------------------------|
| Softening Point | No information available on mixture |
| % Solids | 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

| | |
|----------------------------|--|
| Product Information | 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. |
| Inhalation | May cause irritation of respiratory tract. |
| Eye Contact | Contact with eyes may cause irritation. |
| Skin Contact | Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Repeated exposure may cause skin dryness or cracking. May cause irritation. |
| Ingestion | Not an expected route of exposure. May be harmful if swallowed. |

| Components | LD50 Oral | Dermal LD50 | Inhalation LC50: |
|--|-----------------------|-------------|------------------|
| Titanium Dioxide 13463-67-7 | > 10000 mg/kg (Rat) | COR | COR |
| 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 |
| Zinc Oxide | > 5000 mg/kg (Rat) | COR | COR |

| | | | |
|---------------------------|-----------------------|-----|-----|
| 1314-13-2 | | | |
| Carbon black 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 13463-67-7 | COR | Group 2B | COR | X |
| Carbon black 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) 5,114.00
ATEmix (inhalation-dust/mist) 14.78

12. ECOLOGICAL INFORMATION

Ecotoxicity

19.5218% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Components | Algae/aquatic plants | Toxicity to Fish | Daphnia Magna (Water Flea) |
|------------------|---|--|---|
| Zinc - 7440-66-6 | 0.11 - 0.271: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.09 - 0.125: 72 h Pseudokirchneriella subcapitata mg/L EC50 static | 30: 96 h Cyprinus carpio mg/L LC50 0.24: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.45: 96 h Cyprinus carpio mg/L LC50 semi-static 0.41: 96 h Oncorhynchus mykiss mg/L LC50 static 7.8: 96 h Cyprinus carpio mg/L LC50 static 0.59: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 2.66: 96 h Pimephales promelas mg/L LC50 static 0.211 - 0.269: 96 h Pimephales promelas mg/L LC50 semi-static 3.5: 96 h Lepomis macrochirus mg/L LC50 static 2.16 - 3.05: 96 h Pimephales promelas mg/L LC50 flow-through | 0.139 - 0.908: 48 h Daphnia magna mg/L EC50 Static |

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) All components are listed or exempt
DSL/NDSL All components are listed or exempt

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 | 1.0-10 | 1.0 |
| Zinc - 7440-66-6 | 1.0-10 | 1.0 |
| Zinc Oxide - 1314-13-2 | <0.5% | 1.0 |
| Aluminum oxide - 1344-28-1 | <0.1% | 1.0 |
| Phthalocyanine blue - 147-14-8 | <0.1% | 1.0 |
| Metallic Copper - 7440-50-8 | <0.1% | 1.0 |

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard 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

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)

| Components | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------|-----------------------------|------------------------|---------------------------|----------------------------|
| | | | | |

| | | | | |
|-------------------------|---|---|-----|-----|
| Zinc 7440-66-6 | - | X | X | COR |
| Zinc Oxide 1314-13-2 | - | X | COR | COR |

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

| Components | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|-------------------|--------------------------|------------------------------------|---|
| Zinc 7440-66-6 | 1000 lb | COR | RQ 454 kg final RQ RQ 1000 lb final RQ |

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 |
| Carbon black - 1333-86-4 | Carcinogen |
| Quartz - 14808-60-7 | 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

| | | | | |
|---------------------|------------------------|-----------------------|---------------------------|--|
| NFPA | Health Hazard 2 | Flammability 1 | Instability 0 | Physical and Chemical Hazards COR |
| HMIS / WHMIS | 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