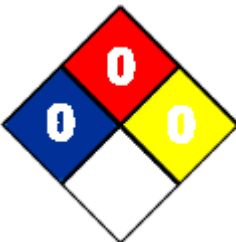



Material Safety Data Sheet



DO THE JOB RIGHT.

NFPA	HMIS / WHMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>0</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	0	Fire Hazard	0	Reactivity	0		Not regulated
Health Hazard	0								
Fire Hazard	0								
Reactivity	0								

Revision Date 16-Oct-2013

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Brown Metallic
Product Code(s) 14115A
Product Type Polyester TGIC
Manufactured by: The Eastwood Company
 263 Shoemaker Road
 Pottstown, PA 19464
Emergency Contact Number 800-345-1178
 (610)-323-2200
Telephone for Information Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

May cause skin and eye irritation

Appearance Powder**Physical State** Solid/Powder**Odor** Odorless

OSHA Regulatory Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects

Acute Toxicity

Eyes

No known effect based on information supplied

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Skin	No known effect based on information supplied
Inhalation	No known effect based on information supplied
Ingestion	No known effect based on information supplied

Chronic Effects

No known effect

Aggravated Medical Conditions Preexisting eye disorders. Skin disorders.

Environmental Hazard See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Components	CAS-No	Weight %
Barium sulfate	7727-43-7	10-30%
TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-	2451-62-9	1-10%
Calcium Carbonate	1317-65-3	1-10%
Iron oxide	1309-37-1	1-10%
Carbon black	1333-86-4	Less than 1.0%
Caprolactam	105-60-2	Less than 1.0%

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin Contact	Wash skin with soap and water
Inhalation	Move to fresh air
Ingestion	Never give anything by mouth to an unconscious person
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Powdered material may form explosive dust-air mixtures
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam
Hazardous Combustion Products	Carbon oxides

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

NFPA	Health Hazard 0	Flammability 1	Stability 0	Physical and Chemical Hazards N/A
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective gloves/clothing and eye/face protection
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up	Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice
Storage	Store in a dry, air conditioned place below 80F

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product, as supplied, contains the following materials with occupational exposure limits established by the region specific regulatory bodies
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Components	ACGIH TLV	OSHA PEL	NIOSH IDLH
Barium sulfate	TWA: 10 mg/m ³	(vacated) TWA: 5 mg/m ³	TWA: 5 mg/m ³
TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-	TWA: 0.05 mg/m ³		
Calcium Carbonate		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
Iron oxide	TWA: 5 mg/m ³	TWA: 10 mg/m ³ (vacated) TWA: 10 mg/m ³	IDLH: 2500 mg/m ³ TWA: 5 mg/m ³
Carbon black	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 0.1 mg/m ³ TWA: 3.5 mg/m ³
Caprolactam	TWA: 5 mg/m ³	(vacated) TWA: 1 mg/m ³ (vacated) TWA: 20 mg/m ³ (vacated) TWA: 5 ppm (vacated) STEL: 10 ppm (vacated) STEL: 3 mg/m ³ (vacated) STEL: 40 mg/m ³	TWA: 0.22 ppm TWA: 1 mg/m ³ STEL: 3 mg/m ³ STEL: 0.66 ppm

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Eye protection
Skin and Body Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved organic vapour respiratory protection should be worn
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder	Odor	Odorless
Physical State	Solid/Powder	pH	Approximately neutral
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	Not applicable	Melting Point/Range	Melting Point/Range 50-70 °C
Freezing point	Not applicable	Flammability Limits in Air	No information available
Explosion Limits	30-70 g/m ³		
Specific Gravity	1.2-1.8	VOC Content	None
HAPS data	Not applicable		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	None known based on information supplied
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	May emit toxic fumes under fire conditions - carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride
Hazardous Reactions	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

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.
Irritation	Repeated or prolonged exposure may cause irritation of eyes and skin
LD50 Oral VALUE (mg/kg)	64416.98
LD50 Dermal VALUE	391825.94
LC50 Inhalation (DUST) VALUE	7924.64

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-	188 mg/kg (Rat)		
Iron oxide	10000 mg/kg (Rat)		
Carbon black	15400 mg/kg (Rat)	3 g/kg (Rabbit)	
Caprolactam	1155 mg/kg (Rat)	1410 µL/kg (Rabbit) 2000 mg/kg (Rat)	8.16 mg/L (Rat) 4 h

Chronic Toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	ACGIH	IARC	NTP	OSHA
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Carbon black		Group 2B		X
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ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

Target Organ Effects Eyes, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Components	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Carbon black				EC50 > 5600 mg/L 24 h
Caprolactam	EC50 = 160 mg/L 96 h	LC50= 1400 mg/L Pimephales promelas 96 h LC50= 930 mg/L Lepomis macrochirus 96 h	EC50 = 4200 mg/L 17 h	EC50 > 500 mg/L 48 h

Components	Log Pow
Caprolactam	= -0.02

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of contents/container in accordance with local regulation

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

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International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
IECSC	Complies
KECL	Does not Comply
PICCS	Does not Comply
AICS	Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

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

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)

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

CERCLA

This material, as supplied, contains the following substance(s) regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

SARA Product RQ

0

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals

Components	CAS-No	California Prop. 65
Carbon black	1333-86-4	Carcinogen

U.S. State Right-to-Know Regulations

Components	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Barium sulfate	X	X	X		X

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TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-		X			
Calcium Carbonate	X		X		X
Iron oxide	X	X	X		X
Carbon black	X	X	X	X	X
Caprolactam	X	X	X	X	X

International Regulations

Components	Carcinogen Status	Exposure Limits
Barium sulfate		Mexico: TWA= 0.5 mg/m ³
Calcium Carbonate		Mexico: TWA= 10 mg/m ³ Mexico: STEL= 20 mg/m ³
Iron oxide		Mexico: TWA= 5 mg/m ³ Mexico: STEL= 10 mg/m ³
Carbon black		Mexico: TWA= 3.5 mg/m ³ Mexico: STEL= 7 mg/m ³
Caprolactam		Mexico: TWA= 20 mg/m ³ Mexico: TWA= 5 ppm Mexico: TWA= 1 mg/m ³ Mexico: STEL= 40 mg/m ³ Mexico: STEL= 10 ppm Mexico: STEL= 3 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Revision Date

16-Oct-2013

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS