



DO THE JOB RIGHT.

Material Safety Data Sheet

NFPA	HMIS / WHMIS	PPE	Transport Symbol
			Not regulated

Revision Date 03-Sep-2009

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Orange/Yellow Powder
Product Code(s)
Product Type EW#10137A
Manufactured by: Manufactured For:
 The Easthill Group DbA/The Eastwood Company
 263 Shoemaker Road
 Pottstown, PA 19464
Emergency Contact Number USA & Canada: 800-345-1178
 Outside USA: 610-323-2200
Telephone for Information Emergency contact: Chem-Trec: 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

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

None known

Environmental Hazard

See Section 12 for additional Ecological Information

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3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous Components**

Components	CAS-No	Weight %
Titanium Dioxide	13463-67-7	10-30%
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%
Aluminum oxide	1344-28-1	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
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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

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium Dioxide	TWA: 10 mg/m ³	TWA: 15 mg/m ³ (vacated) TWA: 10 mg/m ³	IDLH: 5000 mg/m ³
Barium sulfate		(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		
Aluminum oxide		TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 10 mg/m ³ (vacated) TWA: 5 mg/m ³	

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 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

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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

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Titanium Dioxide	10000 mg/kg (Rat)		
TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-	188 mg/kg (Rat)		
Aluminum oxide	5000 mg/kg (Rat)		

Chronic Toxicity

Carcinogenicity

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

Components	ACGIH	IARC	NTP	OSHA
Titanium Dioxide		Group 2B		X

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

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

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14. TRANSPORT INFORMATION**15. REGULATORY INFORMATION****International Inventories**

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

Components	CAS-No	Weight %	SARA 313 - Threshold Values %
Barium sulfate	7727-43-7	10-30%	1.0
Aluminum oxide	1344-28-1	Less than 1.0%	1.0

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)

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

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**PAGE FOOTER**

Components	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Titanium Dioxide	X	X	X		X
Barium sulfate	X	X	X		X
TGIC/1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranymethyl)-		X			
Aluminum oxide	X	X	X		X

International Regulations

Components	Carcinogen Status	Exposure Limits
Titanium Dioxide		Mexico: TWA= 10 mg/m ³ Mexico: STEL= 20 mg/m ³
Barium sulfate		Mexico: TWA= 0.5 mg/m ³
Aluminum oxide		Mexico: TWA= 10 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

Prepared By

Verified by Quality Control Department

Revision Date

03-Sep-2009

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