



## MATERIAL SAFETY DATA SHEET

### FED-STD. 37038 BLACK

MSDS DATE: 2013

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#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: FEDERAL STANDARD 37038  
SYNONYMS:  
PRODUCT CODES:

MANUFACTURER: ALL POWDER PAINTS, LLC  
DIVISION: LAB  
ADDRESS:  
4185 35<sup>TH</sup> ST. N.  
SAINT PETERSBURG, FL 33714

EMERGENCY PHONE: Chemtrec 1-800-424-9300  
CHEMTREC PHONE: Chemtrec 1-800-424-9300  
OTHER CALLS: (727)851.9815  
FAX PHONE: (727)327.5333

CHEMICAL NAME: POLYESTER TGIC  
CHEMICAL FAMILY: ODORLESS POWDER/SOLID  
CHEMICAL FORMULA: POLYESTER TGIC

PRODUCT USE: POWDER COATING APPLICATION  
PREPARED BY:

SECTION 1 NOTES:

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#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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**INGREDIENT:**

Components	CAS-No	Weight %
Barium sulfate	7727-43-7	10-30%
Titanium Dioxide	13463-67-7	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%

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#### SECTION 3: HAZARDS IDENTIFICATION

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**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

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**SECTION 3 NOTES:**

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**SECTION 4: FIRST AID MEASURES**

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**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

**SECTION 4 NOTES:**

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**SECTION 5: FIRE-FIGHTING MEASURES**

**Flammable Properties** Powdered material may form explosive dust-air mixtures

**Suitable Extinguishing Media** Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), 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

**SECTION 5 NOTES:**

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**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

**SECTION 6 NOTES:**

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**SECTION 7: HANDLING AND STORAGE**

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**Handling** Handle in accordance with good industrial hygiene and safety practice

**SECTION 7 NOTES:**

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Exposure Guidelines** This product, as supplied, contains the following materials with occupational exposure limits established by the region specific regulatory bodies

**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

**SECTION 8 NOTES:**

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**VOC Content** None

**HAPS data** Not applicable

**Appearance**

**Flash Point** Not applicable  
Powder

**Autoignition Temperature** Not applicable

**Boiling Point/Range** Not applicable

**Odor**

**Melting Point/Range** Melting Point/Range 50-70°C  
Odorless

**Freezing point** Not applicable

**Physical State** Solid/Powder

**Specific Gravity** 1.2-1.8

**pH** Approximately neutral

**Flammability Limits in Air** No information available

**Explosion Limits** 30-70 g/m<sup>3</sup>

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**SECTION 9 NOTES:**

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**SECTION 10: STABILITY AND REACTIVITY**

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**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

**SECTION 10 NOTES:**

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**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

<b>Components</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
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

**SECTION 11 NOTES:**

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity**

The environmental impact of this product has not been fully investigated

**SECTION 12 NOTES:**

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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

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**SECTION 13: DISPOSAL CONSIDERATIONS (con't)**

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**SECTION 13 NOTES:**

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**SECTION 14: TRANSPORT INFORMATION**

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**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**SECTION 14 NOTES:**

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**SECTION 15: REGULATORY INFORMATION**

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**International Inventories**

**TSCA** Complies

**DSL** Complies

**EINECS/ELINCS** Complies

**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:

**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.

**SECTION 15 NOTES:**

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**SECTION 16: OTHER INFORMATION**

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**Prepared By** Verified by Quality Control Department

**Revision Date** 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**