



MATERIAL SAFETY DATA SHEET

Luminous Vermilion Top Coat

MSDS DATE: 2014

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Luminous Vermilion Top Coat
SYNONYMS:
PRODUCT CODES: LCGO340013S

MANUFACTURER: ALL POWDER PAINTS, LLC
DIVISION: LAB
ADDRESS:
4185 35TH 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:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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%

SECTION 3: HAZARDS IDENTIFICATION

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

SECTION 3 NOTES:

SECTION 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

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties Powdered material may form explosive dust-air mixtures

Suitable Extinguishing Media Water spray, dry chemical, carbon dioxide (CO₂), 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:

SECTION 6: ACCIDENTAL RELEASE MEASURES

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:

SECTION 7: HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice

SECTION 7 NOTES:

SECTION 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

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:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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/m³

SECTION 9 NOTES:

SECTION 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

SECTION 10 NOTES:

SECTION 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

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG/IMO Not regulated

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

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:

SECTION 16: OTHER INFORMATION

Prepared By Verified by Quality Control Department

Revision Date 2014

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