

E Series Powder Coatings

SDS Number:

Revision Date: 9/22/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

NIC Industries, Inc
7050 6th Street
White City, OR 97503

Phone: 541.826.1922
Email: johnw@nicindustries.com
Web: www.nicindustries.com

Product Name: E Series Powder Coatings
Revision Date: 9/22/2015
Version: 1.0

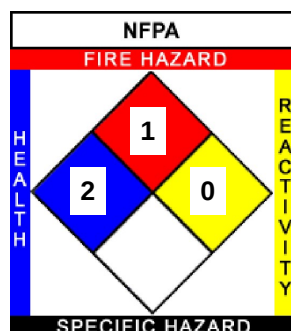
Emergency Contact: Call PERS: 1-800-633-8253 (USA & Canada) or 001-1-801-629-0667 (International).

The information contained in this Safety Data Sheet (SDS) is, to the best of our knowledge, true and accurate and presented in good faith. NIC Industries, Inc. makes no warranties, expressed or implied, as to the accuracy and adequacy of this information. Because many factors may affect processing or application/use of this product, this data is offered solely for the user's consideration, investigation and verification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Regulatory requirements are subject to change and may differ from one location to another. It is the responsibility of the buyer/user to ensure its activities comply with all local, state and federal regulations.

2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, Ingestion, Skin Absorption, Eye Contact
Target Organs: Respiratory System
Inhalation: May cause irritation of the respiratory tract. Prolonged or repeated exposure causes lung damage.
Skin Contact: May cause skin irritation.
Eye Contact: Dust may cause irritation and inflammation.
Ingestion: No adverse health effects are expected from swallowing.

NFPA: Health = 2, Fire = 1, Reactivity = 0
HMIS III: H2/F1/PH0



HMIS III	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION F Safety Glasses, Gloves, Apron, Dust Respirator	

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GHS Signal Word:

WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 5 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Acute toxicity, 5 Oral
Health, Respiratory or skin sensitization, 1 Skin

GHS Phrases:

H333 - May be harmful if inhaled
H335 - May cause respiratory irritation
H303 - May be harmful if swallowed
H317 - May cause an allergic skin reaction

GHS Precautionary Statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 - Do not spray on an open flame or other ignition source.
P220 - Keep/Store away from clothing/combustible materials.
P221 - Take any precaution to avoid mixing with combustibles.
P232 - Protect from moisture.
P234 - Keep only in original container.
P235+410 - Keep cool. Protect from sunlight.
P242 - Use only non-sparking tools.
P250 - Do not subject to grinding/shock/friction.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P263 - Avoid contact during pregnancy/while nursing.
P264 - Wash _ thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+350 - IF ON SKIN: Gently wash with soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.
P370+376 - In case of fire: Stop leak if safe to do so.
P381 - Eliminate all ignition sources if safe to do so.
P404 - Store in a closed container.

The acute and chronic health statements above are for pure chemicals only, unless noted.

SDS

GHS Safety Data Sheet

NIC Industries, Inc

NIC

INDUSTRIES, INC.

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Although this product is a powder coating with low toxicity, follow precautions of this Safety Data Sheet to prevent over-exposure.

Pure, concentrated TGIC is toxic to humans. At the concentration TGIC is found in powder coatings, it is not toxic, and only contributes to nuisance dust.

Carbon Black is not a hazardous substance or preparation under GHS.

This product may contain Barium Sulfate. The USEPA published the final rule in the June 28, 1994 Federal Register deleting Barium Sulfate from the category "Barium Compounds."

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name
	10-85.0%	Epoxy resin

May contain one or more of the following organic resin compounds:

2451-62-9	<10%	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-
tris(oxiranylmethyl)-		
693-98-1	<15%	1H-Imidazole, 2-methyl-
27496-82-8	1-30%	Benzoic acid, methylenebis[2-hydroxy-
25068-38-6	25-85%	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with
(chloromethyl)oxirane		
25036-25-3	30-75%	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-
methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]		
57-11-4	1-10%	Octadecanoic acid

Contains one or more of the following inorganic pigments:

7429-90-5	1-5%	Aluminum
21645-51-2	1-10%	Aluminum hydroxide (Al(OH)3)
1344-28-1	1-5%	Aluminum oxide (Al2O3)
7727-43-7	1-40%	Barium sulfate
80-05-7	1-5%	Brass Metal Flake
51274-00-1	1-20%	C.I. Pigment Yellow 42
1317-65-3	1-40%	Calcium carbonate
1333-86-4	<10%	Carbon black
1308-14-1	<5%	Chromium hydroxide (Cr(OH)3)
1308-38-9	<5%	Chromium (III) oxide
7440-50-8	1-10%	Copper
147-14-8	1-5%	Copper, [29H,31H-phthalocyaninato(2-)-
.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, (SP-4-1)-		
1309-37-1	<10%	Iron oxide (Fe2O3)
1317-65-3	5-10%	Limestone
12001-26-2	<75%	Mica
1317-80-2	<35%	Rutile (TiO2)
112926-00-8	1-10%	Silica, amorphous, precipitated and gel
18282-10-5	<5%	Tin oxide (SnO2)
13463-67-7	5-30%	Titanium dioxide
7440-66-6	1-5%	Zinc

Each reportable material in the above listing is present in at least one of the Prismatic E Series Powder Coatings. However, each individual coating itself contains only several of the materials contained on the list. If you have any questions as to whether a particular Prismatic Powder Coating contains a particular ingredient on the list, please contact NIC Industries, Inc. for a detailed list of the exact materials contained in that coating.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as significantly hazardous to health or the environment and hence require reporting in this section.

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4 FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing stops, have trained person administer artificial respiration and seek medical attention immediately.

Skin Contact: Wash thoroughly with soap and water. Continue to wash for 10 minutes. If irritation persists, seek medical attention.

Eye Contact: Immediately flush with water for at least 15 minutes. Check for and remove any contact lenses. If irritation persists, seek medical attention.

Ingestion: Wash mouth out with water. Remove dentures if any. If large quantities are ingested, seek medical advice to determine the best course of action. Not a hazard under normal use conditions.

5 FIRE FIGHTING MEASURES

Flash Point: Not Applicable

Flash Point Method: Not Applicable

Burning Rate: Not available

Autoignition Temp: Not available

LEL: Not available

UEL: Not available

Extinguishing Media:
Dry chemical powder, foam.

Dust control and good housekeeping are recommended. As with all dusts, dust may carry a static charge. While in bulk storage the HMIS and NFPA "flammability" ratings are 1. When the powder is suspended in air above, their LEL rating is 4. Make sure equipment and personnel are grounded to avoid static discharge.

6 ACCIDENTAL RELEASE MEASURES

Shovel or scoop into container for reclamation or disposal in an appropriate manner.

EMERGENCY CONTACT: Call PERS: 1-800-633-8253 (USA & Canada) or 001-1-801-629-0667 (International).

7 HANDLING AND STORAGE

Handling Precautions:

- Avoid breathing dust.
- Put on appropriate personal protective equipment.
- Wash thoroughly after handling.
- Avoid contact with eyes.
- Use only with adequate ventilation.
- Minimize the free fall distance of powder when loading, unloading, or conveying to avoid dust generation and potential static discharge.

Storage Requirements:

- Store in cool, dry place to prevent caking.
- Keep away from heat, spark, and flames.
- Avoid moisture.
- Keep tightly closed when not being used.
- Label all containers appropriately.
- Do not store near food or drinks.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

Personal Protective Equip: HMIS PP, F | Safety Glasses, Gloves, Apron, Dust Respirator.
Appropriate chemical resistant gloves should be worn. Usual industrial work clothes.
Use a NIOSH/MSHA approved respirator as necessary to protect from dust.

Individuals with lung or breathing problems or who have had a prior reaction to isocyanates must not be exposed to vapor or spray mist. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Use NIOSH approved respirator (particle mask) for dusts.

7727437 OSHA TWA 5.0mg/m3/ ACGIH, TWA 10mg/m3

13463677 OSHA PEL 15 mg/m3 Total Dust/ ACGIH, TLV 10mg/m3 Total dust

7429905 OSHA PEL 5mg/m3 / ACGIH, TLV 5mg/m3

1333864 OSHA TWA 3.5mg/m3 / ACGIH, TWA 3.5mg/m3 Resp. Frac

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Finely divided powder

Physical State: Solid

Spec Grav./Density: 3.1/3.1 Kg/L

Boiling Point: N/A

pH: 6.0-9.0

Odor: Nearly Odorless

Solubility: Insoluble

VOC: No VOC

NIC Industries, Inc. powder coatings are VOC-free and solvent-free, and meet all air quality regulatory requirements with respect to manufacturing and application. Specifically, the "hardened finished product" does not release "ANY volatile organic compounds under ANY ambient conditions."

Product is not "explosive." However, formation of explosive air/dust mixtures is possible.

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STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Contact with extreme heat, sparks, open flame, and static discharge.

Materials to Avoid: Water, alcohols, amines, strong acids, strong bases, and oxidizers.

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11 TOXICOLOGICAL INFORMATION

NTP Carcinogen: No

IARC Monographs: No

OSHA Regulated: No

Not known to contain any ingredients recognized as carcinogens by the National Toxicology Program (NTP), the International Agency for Cancer Research (IARC) or the Occupational Safety and Health Administration (OSHA).

Carcinogenicity Information:

Not listed as a carcinogen by NTP; not regulated as a carcinogen by OSHA; not evaluated by IARC

Reported Human Effects:

No human studies have been conducted with this material. The use of recommended protective equipment should prevent any adverse effects.

Reported Animal Effects:

Oral LD50, rat: 200-2000 mg/kg

Skin irritation, rabbit; severe erythema with signs of necrosis after 1-hour exposure.

12 ECOLOGICAL INFORMATION

No known or significant effects or critical hazards.

13 DISPOSAL CONSIDERATIONS

This product is not regulated by the EPA. If disposed of as received is not considered a hazardous waste. Disposal should be made in accordance to federal, state, and local regulations.

14 TRANSPORT INFORMATION

U.S. DOT

Shipping Name: Paint, dry; not regulated

UN ID Number: NRPDRY

INTERNATIONAL AIR TRANSPORT ASSOCIATION:

Proper Shipping Name: Paint, dry; not regulated

UN ID Number: NRPDRY

INTERNATIONAL MARITIME ORGANIZATION:

Proper Shipping Name: Paint, dry; not regulated

UN ID Number: NRPDRY

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REGULATORY INFORMATION

U.S. Federal and State Regulations:

TSCA: All components are included in inventory, exempt or notified.

Chromium oxide TSCA 8(b) inventory: Chromium oxide SARA 313 toxic chemical notification and release reporting:

Titanium dioxide TSCA 8(b) inventory: Titanium dioxide.

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (HCS) (29 CFR 1910.1200).

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Substances:

Titanium dioxide.

This material contains one or more of the following chemicals required to be identified under the SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4): Chromium (III) hydroxide (1308-14-1): SARA 313.

SARA 311/312 Physical and Health Hazard Categories:

Immediate (acute) Health Hazard: YES

Delayed (chronic) Health Hazard: YES

Fire Hazard: NO

Sudden Release of Pressure: NO

Reactive: NO

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects, or other reproductive harm, which would require a warning under the statute: *Carbon black (1333864); Titanium dioxide (13463677).

(*Carbon black is not a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA, 40 CFR 302), or the Clean Water Act (40 CFR 116), or a hazardous air pollutant under the Clean Air Act Amendments of 1990.). Carbon Black is not a hazardous substance or preparation under GHS.

Hazard determining components of labeling: TGIC.

Pure, concentrated TGIC is toxic to humans. At the concentration TGIC is found in powder coatings, it is not toxic and only contributes to nuisance dust.

WHMIS (Canadian DSL Inventory Status): All components of this product are listed on the Canadian DSL Inventory List: Chromium (III) hydroxide (1308-14-1).

COMPONENT / (CAS/PERC) / CODES

*Barium sulfate (7727437 15-40.0%) MASS, OSHAWAC, PA, TXAIR

*Titanium dioxide (13463677 10-30%) MASS, OSHAWAC, PA, TXAIR

*Aluminum (7429905 .01-1.5%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TXAIR

*Carbon black (1333864 .01-1.5%) MASS, OSHAWAC, PA, TXAIR

*Mica (12001262 .01-3.0%) MASS, OSHAWAC, PA, TXAIR

*Caprolactam (105602 1-10%) CERCLA, HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

*2-Propenoic acid, homopolymer (9003014 1-5%) TSCA

*Oleic acid (112801 1-5%) PA, TSCA

*12H-Phthaloperin-12-one, 8,9,10,11-tetrachloro- (20749682 1-5%) TSCA

*1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)- (2451629 1-10%) TSCA

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- *Aluminum (7429905 .01-50%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR
- *Aluminum hydroxide (Al(OH)3) (21645512 1-2%) TSCA
- *Aluminum oxide (Al2O3) (1344281 1-5%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR
- *Barium sulfate (7727437 1-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *C.I. Pigment Yellow 42 (51274001 1-10%) TSCA
- *Calcium carbonate (1317653 15-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Carbon black (1333864 1-10%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Chromium hydroxide (Cr(OH)3) (1308141 1-10%) TSCA
- *Copper (7440508 10-15%) CERCLA, EPCRAWPC, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR
- *Iron oxide (Fe2O3) (1309371 1-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Kaolin (1332587 1-2%) OSHAWAC, PA, TSCA, TXAIR
- *Limestone (1317653 2-25%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Mica (12001262 1-74%) MASS, OSHAWAC, PA, TXAIR
- *Calcium carbonate (1317653 1-74%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Talc (containing no asbestos fibers) (14807966 1-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Rutile (TiO2) (1317802 1-61%) TSCA
- *Silica, amorphous, precipitated and gel (112926008 1-5%) MASS, OSHAWAC, TXAIR
- *Tin oxide (SnO2) (18282105 1-10%) TSCA
- *Titanium dioxide (13463677 1-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Zinc (7440666 1-3%) CERCLA, EPCRAWPC, MASS, NJHS, PA, PRIPOL, SARA313, TOXICPOL, TSCA
- *1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)- (2451629 <10%) TSCA
- *1H-Imidazole, 2-methyl- (693981 <15%) TSCA
- *Benzoic acid, methylenebis[2-hydroxy- (27496828 1-30%) TSCA
- *Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane (25068386 25-85%) TSCA
- *Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane] (25036253 30-75%) TSCA
- *Octadecanoic acid (57114 1-10%) TSCA
- *Aluminum (7429905 1-5%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR
- *Aluminum hydroxide (Al(OH)3) (21645512 1-10%) TSCA
- *Aluminum oxide (Al2O3) (1344281 1-5%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR
- *Barium sulfate (7727437 1-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *4,4'-Isopropylidenediphenol (80057 1-5%) HAP, MASS, NJHS, PA, SARA313, TSCA, TXAIR

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- *C.I. Pigment Yellow 42 (51274001 1-20%) TSCA
- *Calcium carbonate (1317653 1-40%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Carbon black (1333864 <10%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Chromium hydroxide (Cr(OH)3) (1308141 <5%) TSCA
- *Chromium (III) oxide (1308389 <5%) MASS, TSCA
- *Copper (7440508 1-10%) CERCLA, EPCRAWPC, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR
- *Copper, [29H,31H-phthalocyaninato(2-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, (SP-4-1)- (147148 1-5%) TSCA
- *Iron oxide (Fe2O3) (1309371 <10%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Limestone (1317653 5-10%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Mica (12001262 <75%) MASS, OSHAWAC, PA, TXAIR
- *Rutile (TiO2) (1317802 <35%) TSCA
- *Silica, amorphous, precipitated and gel (112926008 1-10%) MASS, OSHAWAC, TXAIR
- *Tin oxide (SnO2) (18282105 <5%) TSCA
- *Titanium dioxide (13463677 5-30%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Zinc (7440666 1-5%) CERCLA, EPCRAWPC, MASS, NJHS, PA, PRIPOL, SARA313, TOXICPOL, TSCA

REGULATORY KEY DESCRIPTIONS

\par -----
\par MASSCERCLA = Superfund clean up substance
HAP = Hazardous Air Pollutants
OSHAWAC = OSHA workplace Air Contaminants
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
EPCRAWPC = EPCRA Water Priority Chemicals
NJHS = NJ Right-to-Know Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
PRIPOL = Clean Water Act Priority Pollutants
TOXICPOL = Clean Water Act Toxic Pollutants
NRC = Nationally Recognized Carcinogens

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OTHER INFORMATION

U.S. Federal Regulations:

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to all your employees.

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