

RAL 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

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

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

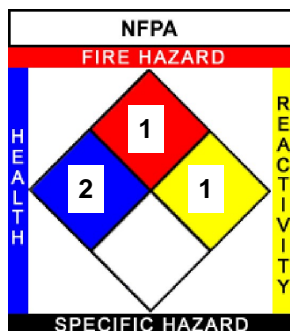
Emergency Contact: Call PERS: 1-800-633-8253 (USA & Canada) or 001-1-801-629-0667 (International).

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2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, Ingestion, Skin Absorption, Eye Contact
Target Organs: Respiratory System, Reproductive System and Pulmonary System.
Inhalation: Harmful by inhalation. Full effects unknown.
Skin Contact: May cause sensitization.
Eye Contact: Effects unknown.
Ingestion: Harmful if swallowed. Full effects unknown.

NFPA: Health = 2, Fire = 1, Reactivity = 1
HMIS III: H*2/F1/PH1



HMIS III	
HEALTH	<input checked="" type="checkbox"/> 2
FLAMMABILITY	1
PHYSICAL HAZARDS	1
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 Oral
Health, Acute toxicity, 5 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Skin corrosion/irritation, 3

GHS Phrases:

H303 - May be harmful if swallowed
H333 - May be harmful if inhaled
H335 - May cause respiratory irritation
H316 - Causes mild skin irritation

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.
P235+410 - Keep cool. Protect from sunlight.
P241 - Use explosion-proof electrical/ventilating/light/equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P250 - Do not subject to grinding/shock/friction.
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 - Do not get in eyes, on skin, or on clothing.
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.
P273 - Avoid release to the environment.
P281 - Use personal protective equipment as required.
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+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P338 - Remove contact lenses if present and easy to do. Continue rinsing.
P341 - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P373 - DO NOT fight fire when fire reaches explosives.
P402+404 - Store in a dry place. Store in a closed container.
P403+235 - Store in a well ventilated place. Keep cool.

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

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

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."

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
	10-85%	Polyester resin

May contain the following organic resin component:

2451-62-9	1-10%	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)-
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Contains one or more of the following inorganic pigments:

7440-36-0	1-5%	Antimony
7727-43-7	10-50%	Barium sulfate
51274-00-1	1-3%	C.I. Pigment Yellow 42
1308-38-9	1-3%	Chromium (III) oxide
1309-37-1	1-10%	Iron oxide (Fe ₂ O ₃)
1332-58-7	1-3%	Kaolin
13463-67-7	2-25%	Titanium dioxide

Each reportable material in the above listing is present in at least one of the Prismatic RAL 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.

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. Loosen tight clothing. If unconscious bring patient into stable side position for transport. Seek immediate medical attention.
Skin Contact:	Remove contaminated clothing and shoes. Wash thoroughly with soap and water for at least 15 minutes. Wash clothing before reuse. If symptoms develop seek medical attention.
Eye Contact:	Immediately flush with water for 15 to 30 minutes, occasionally lifting eyelids to ensure thorough rinsing. If symptoms develop seek medical attention.
Ingestion:	Rinse mouth out and then drink plenty of water. Only induce vomiting at the instruction of medical personnel. Never induce vomiting or give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

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5 FIRE FIGHTING MEASURES

Flash Point: N/A

Extinguishing Media:
Carbon dioxide, dry chemical powder, alcohol foam or water spray.

Sensitivity of Static Charge:
Electrostatic charge may build up during handling. Grounding of equipment is recommended.

Prevent dust cloud formation. Dust generated may create an explosive mixture with the air in the presence of an ignition source. Use proper personal protective equipment. If fire occurs, isolate area, contain and eliminate fire, then dispose of debris in accordance with official regulations.

6 ACCIDENTAL RELEASE MEASURES

Keep all unnecessary personnel away, and isolate hazard area. Wear proper personal protective equipment. Avoid dust cloud formation. Do not touch or walk through spilled material. Approach spilled material from upwind. Prevent dispersal by wind. Ensure adequate ventilation and use proper personal protective equipment. Eliminate all sources of ignition. Scoop up carefully using non-sparking shovels or an explosion-proof vacuum cleaner, or soak up with a non-combustible absorbent material. Keep material out of water sources, drains or sewers. Transfer to a container for disposal according to local/state/national regulations. Inform relevant authorities.

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

7 HANDLING AND STORAGE

Handling Precautions:

- Avoid dust cloud formations and use with adequate ventilation.
- Avoid breathing dust and fumes.
- Avoid bodily contact with material.
- Wear appropriate personal protective equipment.
- Wash thoroughly after handling, avoid contact with eyes.
- No eating, drinking or smoking near areas where substance is handled, processed or stored.
- Minimize the free fall distance of powder when loading, unloading, or conveying to avoid dust generation and potential static discharge.
- Ground coating equipment at all times.
- Do not allow powder to accumulate around machinery.

Storage Requirements:

- Store in cool, dry place to prevent caking.
- Keep away from all sources of ignition.
- Avoid moisture and static electricity discharges.
- Do not allow cross-contamination.
- Keep tightly closed when not being used.
- Label all containers appropriately.
- Do not reuse containers.
- Do not store near food or drinks.
- Avoid excessive aging.

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8 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. Assure ACGIH TWA and OSHA PEL limits of TGIC dust (0.05 mg/m3, N/A), Barium Sulfate (10 mg/m3, 5 mg/m3), Iron Oxide (5 mg/m3, 10 mg/m3) and Kaolin (10 mg/m3, 5 mg/m3) are maintained.

Personal Protective Equip: HMIS PP, F | Safety Glasses, Gloves, Apron, Dust Respirator.

Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Use NIOSH approved respirator (particle mask) for dusts.

Employ proper hygienic measures after working with material and before eating, smoking or using the lavatory. Fully wash any contaminated clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Finely divided powder

Physical State: Solid

Spec Grav./Density: 1.53 g/cm3

Odor: Characteristic

Solubility: Insoluble

Freezing/Melting Pt.: 120 oF

10 STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Unknown.

Materials to Avoid: Unknown.

Hazardous Decomposition: May contain carbon monoxide, carbon dioxide and nitrogen oxide(s).

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

IARC (International Agency for Research on Cancer): 13463-67-7 Titanium dioxide 2B.

12 ECOLOGICAL INFORMATION

Water hazard class 1 (self-assessment): Slightly hazardous for water and harmful to fish.

Avoid disposal in landfills and sewage systems. Product has not been tested for environmental effects.

13 DISPOSAL CONSIDERATIONS

This product is not regulated by the EPA. If disposed of as received is not considered a hazardous waste.

Must not be disposed of together with household garbage. Disposal should be made in accordance to federal, state, and local regulations. Dispose of in a licensed facility. Do not discharge into drains, surface waters or groundwater.

14 TRANSPORT INFORMATION

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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.

SARA 355 (Extremely Hazardous Substances): None of the ingredients is listed.

SARA 313 (Specific Toxic Chemical Listings): All ingredients are listed.

Chromium oxide TSCA 8(b) inventory: Chromium oxide

CERCLA: Hazardous substances.: Chromium oxide.

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

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

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

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances: Chromium oxide; Titanium dioxide.

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer and birth defects, or other reproductive harm: TGIC, Chromium oxide.

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.

Canadian DSL Inventory Status: All components of this product are listed on the Canadian DSL Inventory List, or are exempt.

*Barium sulfate (7727437 10-25%) MASS, OSHAWAC, PA, TSCA, TXAIR

*1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(oxiranylmethyl)- (2451629 2.5-10%) TSCA

*Ferric oxide (1309371 2.5-10%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Kaolin (1332587 <2.5%) OSHAWAC, PA, TSCA, TXAIR

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

*Antimony (7440360 1-5%) CERCLA, EPCRAWPC, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

*Barium sulfate (7727437 10-50%) MASS, OSHAWAC, PA, TSCA, TXAIR

*C.I. Pigment Yellow 42 (51274001 1-3%) TSCA

*Chromium (III) oxide (1308389 1-3%) MASS, TSCA

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*Iron oxide (Fe₂O₃) (1309371 1-10%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Kaolin (1332587 1-3%) OSHAWAC, PA, TSCA, TXAIR

*Titanium dioxide (13463677 2-25%) MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
CERCLA = Superfund clean up substance
EPCRAWPC = EPCRA Water Priority Chemicals
NJHS = NJ Right-to-Know Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants

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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 (as it is your legal duty to) make all information in this Material Safety Data Sheet available to all your employees.

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