# SAFETY DATA SHEET



Date of issue/Date of revision 6 May 2015

Version 3.01

### **Section 1. Identification**

Product name : GRS Interior Color

Product code : BCI-3

Other means of

identification

: Not available.

Product type

: Liquid.

#### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.

Use of the substance/

mixture

: Coating. Paints. Painting-related materials.

Uses advised against : Not applicable.

**Supplier** : PPG Industries, Inc.

One PPG Place,

Pittsburgh, PA 15272

**Emergency telephone** : (412) 4

number

: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) 01-800-00-21-400 (Mexico)

Technical Phone Number : (740) 363-9610 (DELAWARE, OH) 8:00 a.m. - 5:00 p.m. EST

### Section 2. Hazards identification

**OSHA/HCS** status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 3

SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1A

TOXIC TO REPRODUCTION (Unborn child) - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 100%

#### **GHS** label elements

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Product code BCI-3

### Section 2. Hazards identification

### **Hazard pictograms**









Signal word

**Hazard statements** 

: Danger

: Flammable liquid and vapor. Causes serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

May cause cancer.

May damage the unborn child. May cause respiratory irritation. May cause drowsiness and dizziness.

Causes damage to organs through prolonged or repeated exposure.

#### **Precautionary statements**

#### **Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

#### Response

: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

### Storage

**Disposal** 

- : Store locked up. Store in a well-ventilated place. Keep cool.
- : Dispose of contents and container in accordance with all local, regional, national and international regulations.

# Supplemental label elements

: Add this product only to water. Never add water to this product. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

# Hazards not otherwise classified

: May form explosive peroxides. Hazardous reactions or instability may occur under certain conditions of storage or use. Prolonged or repeated contact may dry skin and cause irritation.

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**Product name GRS Interior Color** 

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product name : GRS Interior Color

Ingredient name	%	<b>CAS</b> number
n-butyl acetate	60 - 100	123-86-4
titanium dioxide	15 - 40	13463-67-7
2-methoxy-1-methylethyl acetate	10 - 30	108-65-6
xylene	10 - 30	1330-20-7
butan-1-ol	10 - 30	71-36-3
diiron trioxide	5 - 10	1309-37-1
barium sulfate	5 - 10	7727-43-7
2-ethoxy-1-methylethyl acetate	3 - 7	54839-24-6
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes	1 - 5	68511-62-6
Mica-group minerals	1 - 5	12001-26-2
carbon black, respirable powder	1 - 5	1333-86-4
Aluminium powder (stabilized)	1 - 5	7429-90-5
Natural graphite	1 - 5	7782-42-5
[1-[[(2-hydroxyphenyl)imino]methyl]-2-naphtholato(2-)-N,O,O']copper	1 - 5	15680-42-9
ethylbenzene	1 - 5	100-41-4
Solvent naphtha (petroleum), light aromatic	1 - 5	64742-95-6
aluminium hydroxide	1 - 5	21645-51-2
tin dioxide	1 - 5	18282-10-5
Naphtha (petroleum), hydrotreated heavy	1 - 5	64742-48-9
Polyamine Polyester Polymer	1 - 5	Not available.
2-methylpropan-1-ol	1 - 5	78-83-1
2-butoxyethyl acetate	1 - 5	112-07-2
1,2,4-trimethylbenzene	1 - 5	95-63-6
Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-diphenyl-	1 - 5	54660-00-3
ethyl 3-ethoxypropionate	1 - 5	763-69-9
Ligroine	0.5 - 1.5	8032-32-4
Stoddard solvent	0.5 - 1.5	8052-41-3
Zinc Salt	0.5 - 1.5	Not available.
Naphtha (petroleum), hydrodesulfurized heavy	0.5 - 1.5	64742-82-1
Polyurethane Resin	0.5 - 1.5	Not available.
zirconium dioxide	0.5 - 1.5	1314-23-4
toluene	0.5 - 1.5	108-88-3
calcium molybdate	0.5 - 1.5	7789-82-4
2,3-epoxypropyl neodecanoate	0.1 - 1	26761-45-5
2-methoxypropyl acetate	0.1 - 1	70657-70-4
cumene	0.1 - 1	98-82-8

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

Occupational exposure limits, if available, are listed in Section 8.

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### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### **Description of necessary first aid measures**

**Eye contact**: Check for and remove any contact lenses. Immediately flush eyes with running water for

at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing is

irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained

personnel.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water

or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show this container or label. Keep

person warm and at rest. Do NOT induce vomiting.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and

dizziness. May cause respiratory irritation.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

**Inhalation** : Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness dryness cracking

blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations

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### Section 4. First aid measures

Ingestion : Adverse symptoms may include the following:

stomach pains reduced fetal weight increase in fetal deaths skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments**: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to

give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## **Section 5. Fire-fighting measures**

### **Extinguishing media**

Suitable extinguishing

media

: Use dry chemical, CO2, water spray (fog) or foam.

Unsuitable extinguishing

media

: Do not use water jet.

# Specific hazards arising from the chemical

: Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

# Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide

carbon dioxide carbon monoxide nitrogen oxides sulfur oxides

halogenated compounds metal oxide/oxides

# Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

# Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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### Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

**Protective measures** 

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

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### Section 7. Handling and storage

#### **Special precautions**

: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. May form explosive peroxides. Keep away from combustible materials. Avoid shock and friction. Avoid all possible sources of ignition (spark or flame). Add this product only to water. Never add water to this product. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# including any incompatibilities

Conditions for safe storage, : Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

Occupational exposure limits

Ingredient name	Exposure limits
n-butyl acetate	ACGIH TLV (United States, 4/2014).
•	STEL: 200 ppm 15 minutes.
	TWA: 150 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 710 mg/m <sup>3</sup> 8 hours.
	TWA: 150 ppm 8 hours.
titanium dioxide	OSHA PEL (United States, 2/2013).
	TWA: 15 mg/m³ 8 hours. Form: Total dust
	ACGIH TLV (United States, 4/2014).
	TWA: 10 mg/m <sup>3</sup> 8 hours.
2-methoxy-1-methylethyl acetate	IPEL (PPG, 4/2009).
	TWA: 50 ppm
xylene	ACGIH TLV (United States, 4/2014).
	STEL: 651 mg/m³ 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 434 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 435 mg/m <sup>3</sup> 8 hours.
	TWA: 100 ppm 8 hours.
butan-1-ol	ACGIH TLV (United States, 4/2014).
	TWA: 20 ppm 8 hours.
	OSHA PEL (United States, 2/2013).
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## Section 8. Exposure controls/personal protection

TWA: 300 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. diiron trioxide ACGIH TLV (United States, 4/2014). TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction OSHA PEL (United States, 2/2013). TWA: 10 mg/m<sup>3</sup> 8 hours. barium sulfate ACGIH TLV (United States, 4/2014). TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction OSHA PEL (United States, 2/2013). TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes **OSHA PEL (United States).** TWA: 1 mg/m<sup>3</sup>, (as Ni) TWA: 1 mg/m³, (as Ni) Form: Total dust **ACGIH TLV (United States).** TWA: 0.2 mg/m³ Form: Total dust OSHA PEL (United States, 2/2013). TWA: 1 mg/m<sup>3</sup>, (as Ni) 8 hours. ACGIH TLV (United States, 4/2014). Mica-group minerals TWA: 3 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction OSHA PEL Z3 (United States, 2/2013). TWA: 20 mppcf 8 hours. ACGIH TLV (United States, 4/2014). carbon black, respirable powder TWA: 3 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction OSHA PEL (United States, 2/2013). TWA: 3.5 mg/m<sup>3</sup> 8 hours. ACGIH TLV (United States, 4/2014). aluminium powder (stabilised) TWA: 1 mg/m<sup>3</sup> 8 hours. Form: Respirable OSHA PEL (United States, 2/2013). TWA: 5 mg/m<sup>3</sup>, (as Al) 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup>, (as Al) 8 hours. Form: Total Natural graphite **OSHA PEL (United States).** TWA: 5 mg/m<sup>3</sup> Form: Respirable TWA: 10 mg/m<sup>3</sup> ACGIH TLV (United States, 4/2014). TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction OSHA PEL Z3 (United States, 2/2013). TWA: 15 mppcf 8 hours. ethylbenzene ACGIH TLV (United States, 4/2014). TWA: 20 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 435 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.

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## Section 8. Exposure controls/personal protection

aluminium hydroxide ACGIH TLV (United States, 4/2014). TWA: 1 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction **ACGIH TLV (United States).** TWA: 1 mg/m<sup>3</sup> tin dioxide ACGIH TLV (United States, 4/2014). TWA: 2 mg/m³, (as Sn) 8 hours. **OSHA PEL (United States).** TWA: 2 mg/m<sup>3</sup> Form: Total dust TWA: 2 mg/m<sup>3</sup> 2-methylpropan-1-ol ACGIH TLV (United States, 4/2014). TWA: 152 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 300 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 4/2014). 2-butoxyethyl acetate TWA: 20 ppm 8 hours. ACGIH TLV (United States, 4/2014). 1,2,4-trimethylbenzene TWA: 123 mg/m<sup>3</sup> 8 hours. TWA: 25 ppm 8 hours. ethyl 3-ethoxypropionate IPEL (PPG). TWA: 50 ppm STEL: 100 ppm Stoddard solvent ACGIH TLV (United States, 4/2014). TWA: 525 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. OSHA PEL (United States, 2/2013). TWA: 2900 mg/m<sup>3</sup> 8 hours. TWA: 500 ppm 8 hours. zirconium dioxide ACGIH TLV (United States, 4/2014). STEL: 10 mg/m<sup>3</sup>, (as Zr) 15 minutes. TWA: 5 mg/m<sup>3</sup>, (as Zr) 8 hours. OSHA PEL (United States, 2/2013). TWA: 5 mg/m<sup>3</sup>, (as Zr) 8 hours. **OSHA PEL (United States).** STEL: 10 mg/m<sup>3</sup>. (as Zr) TWA: 5 mg/m<sup>3</sup>, (as Zr) toluene OSHA PEL Z2 (United States, 2/2013). AMP: 500 ppm 10 minutes. CEIL: 300 ppm TWA: 200 ppm 8 hours. ACGIH TLV (United States, 4/2014). TWA: 20 ppm 8 hours. calcium molybdate ACGIH TLV (United States, 4/2014). TWA: 10 mg/m<sup>3</sup>, (as Mo) 8 hours. Form: Inhalable fraction TWA: 3 mg/m<sup>3</sup>, (as Mo) 8 hours. Form: Respirable fraction **ACGIH TLV (United States).** TWA: 3 mg/m³ Form: Respirable TWA: 10 mg/m<sup>3</sup> Form: Total dust

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## Section 8. Exposure controls/personal protection

OSHA PEL (United States).

TWA: 10 mg/m<sup>3</sup>

OSHA PEL (United States, 2/2013). TWA: 15 mg/m<sup>3</sup>, (as Mo) 8 hours. Form:

Total dust

ACGIH TLV (United States, 4/2014).

TWA: 50 ppm 8 hours.

OSHA PEL (United States, 2/2013).

Absorbed through skin. TWA: 245 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

Key to abbreviations

= Acceptable Maximum Peak Α

ACGIH = American Conference of Governmental Industrial Hygienists.

С = Ceiling Limit F = Fume

cumene

**IPEL** = Internal Permissible Exposure Limit

**OSHA** = Occupational Safety and Health Administration.

= Respirable R

= OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S = Potential skin absorption SR = Respiratory sensitization

= Skin sensitization

STEL = Short term Exposure limit values

TD = Total dust

TLV = Threshold Limit Value TWA = Time Weighted Average

#### Consult local authorities for acceptable exposure limits.

procedures

**Recommended monitoring**: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

SS

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas. vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that evewash stations and safety showers are close to the workstation location.

**Eye/face protection** Skin protection

: Chemical splash goggles and face shield.

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### Section 8. Exposure controls/personal protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be

worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the

protection time of the gloves cannot be accurately estimated.

butvl rubber **Gloves** 

**Body protection** : Personal protective equipment for the body should be selected based on the task being

performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing

should include anti-static overalls, boots and gloves.

: Appropriate footwear and any additional skin protection measures should be selected Other skin protection

based on the task being performed and the risks involved and should be approved by a

specialist before handling this product.

Respiratory protection Respirator selection must be based on known or anticipated exposure levels, the

> hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying

with an approved standard if a risk assessment indicates this is necessary.

# Section 9. Physical and chemical properties

: Not available.

**Appearance** 

**Melting point** 

**Physical state** : Liauid.

: Not available. Color Odor : Not available. **Odor threshold** : Not available. pН : Not available.

**Boiling point** : >37.78°C (>100°F)

: Closed cup: >23°C (>73.4°F) Flash point

**Auto-ignition temperature** : Not available. : Not available. **Decomposition temperature** : Not available. Flammability (solid, gas)

: Not available. Lower and upper explosive (flammable) limits

**Evaporation rate** : Not available. **Vapor pressure** : Not available. Vapor density : Not available.

: 1.06 **Relative density** Density (lbs/gal) 8.85

Solubility : Insoluble in the following materials: cold water.

Partition coefficient: n-

octanol/water

: Not available.

**Viscosity** : Kinematic (40°C (104°F)): >0.21 cm<sup>2</sup>/s (>21 cSt)

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### Section 9. Physical and chemical properties

**Volatility** : 77% (v/v), 66% (w/w)

% Solid. (w/w) : 34.22

Physical property values shown in this section are calculated averages. For specific product information, contact your PPG Sales Representative.

## Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** 

: When exposed to high temperatures may produce hazardous decomposition products.

Refer to protective measures listed in sections 7 and 8.

Incompatible materials

: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

Hazardous decomposition products

: Decomposition products may include the following materials: carbon monoxide, carbon

dioxide, smoke, oxides of nitrogen.

### **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
n-butyl acetate	LC50 Inhalation Vapor	Rat	>21.1 mg/l	4 hours
	LC50 Inhalation Vapor	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-
titanium dioxide	LD50 Oral	Rat	>10 g/kg	-
2-methoxy-1-methylethyl	LD50 Dermal	Rabbit	>5 g/kg	-
acetate				
	LD50 Oral	Rat	8532 mg/kg	-
xylene	LC50 Inhalation Gas.	Rat	6670 ppm	4 hours
	LC50 Inhalation Vapor	Rat	5000 ppm	4 hours
	LD50 Dermal	Rabbit	>1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
butan-1-ol	LC50 Inhalation Vapor	Rat	24000 mg/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	8000 ppm	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-
diiron trioxide	LD50 Oral	Rat	10 g/kg	-
2-ethoxy-1-methylethyl acetate	LC50 Inhalation Vapor	Rat	6990 mg/m³	4 hours
	LD50 Oral	Rat	4.705 g/kg	

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**Product name GRS Interior Color** 

# Section 11. Toxicological information

Doweder	carbon black, respirable	LD50 Dermal	Rabbit	>3 g/kg	-
[1-[[(2-hydroxyphenyl)imino] methyl)-2-naphtholato(2-)-N, O,O]copper ethylbenzene					
methyll-2-naphtholato(2-)-N, O,O']copper					-
C.07 copper		LC50 Inhalation Vapor	Rat	>1000 mg/m <sup>3</sup>	4 hours
Ethylbenzene					
LD50 Dermal   LD50 Dermal   LD50 Dermal   LD50 Dermal   LD50 Dermal   LD50 Dermal   Rabbit   3.5 g/kg   -					
LD50 Oral   Rat   3.5 g/kg   -	ethylbenzene				4 hours
Solvent naphtha (petroleum), light aromatic					-
Iight aromatic					-
tin dioxide Naphtha (petroleum), hydrotreated heavy  LD50 Oral  2-methylpropan-1-ol  LD50 Dermal LD50 Dermal LD50 Oral  2-butoxyethyl acetate LD50 Dermal LD50 Oral  LD50 Dermal LD50 Oral  Rat LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat LD50 Oral Rat Rabbit 1.48 g/kg - LD50 Oral Rat 1.6 g/kg - 1.2,4-trimethylbenzene LD50 Dermal LD50 Dermal Rabbit LD50 Oral Rat 1.6 g/kg - 1.2,5 g/kg - 1.2,4-trimethylbenzene LD50 Dermal Rat LD50 Oral Rat 1.6 g/kg - 1.0 g/kg -					-
Naphtha (petroleum), hydrotreated heavy					-
Nydrotreated heavy					-
LD50 Oral		LC50 Inhalation Vapor	Rat	8500 mg/m <sup>3</sup>	4 hours
2-methylpropan-1-ol	hydrotreated heavy				
LD50 Dermal   Rabbit   2 g/kg   -   2460 mg/kg   -   24					-
LD50 Oral	2-methylpropan-1-ol				4 hours
2-butoxyethyl acetate					-
LD50 Oral					-
1,2,4-trimethylbenzene	2-butoxyethyl acetate				-
LD50 Oral					-  -
Ethyl 3-ethoxypropionate	1,2,4-trimethylbenzene				4 hours
LD50 Oral	- th- 1 O - th t-				-
Ligroine	etnyi 3-etnoxypropionate				-
Stoddard solvent   Zinc Salt   LD50 Oral   Rat   Zinc Salt   LD50 Inhalation Vapor   Rat   Zinc Salt   Zinc Salt   Zinc Salt   Zinc Salt   LD50 Inhalation Vapor   Rat   Zinc Salt   Zinc Zinc Salt   Zinc Zinc Zinc Zinc Zinc Zinc Zinc Zinc	Ligraina				- 4 hours
Zinc Salt   LD50 Oral   Rat   >0.552 g/kg   -     LC50 Inhalation Vapor   Rat   49 g/m³   4 hours     LD50 Dermal   Rat   8000 ppm   4 hours     LD50 Dermal   Rat   636 mg/kg   -     LD50 Oral   Rat   636 mg/kg   -     LD50 Oral   Rat   0.101 g/kg   -     LD50 Dermal   Rat   3800 mg/kg   -     LD50 Dermal   Rat   3800 mg/kg   -     LD50 Oral   Rat   9.6 g/kg   -     LD50 Dermal   Rat   >5320 ppm   4 hours   LD50 Dermal   Rat   >5320 ppm   4 hours   LD50 Dermal   Rat   8532 mg/kg   -     LD50 Oral   Rat   8532 mg/kg   -     LD50 Oral   Rat   8532 mg/kg   -     LD50 Dermal   Rat   8532 mg/kg   -     LD50 Dermal   Rat   39000 mg/m³   4 hours   LD50 Dermal   Rat   Rat   39000 mg/m³   4 hours   LD50 Dermal   Rat   Rat   39000 mg/m³   4 hours   LD50 Dermal   Rat   Rat   Rat   39000 mg/m³   4 hours   LD50 Dermal   Rat   R					4 Hours
toluene					-
LC50 Inhalation Vapor					4 hours
LD50 Dermal   Rabbit   8.39 g/kg   -     LD50 Oral   Rat   636 mg/kg   -     Calcium molybdate   LD50 Oral   Rat   0.101 g/kg   -     Calcium molybdate   LD50 Oral   Rat   0.101 g/kg   -     Calcium molybdate   LD50 Dermal   Rat   3800 mg/kg   -     Calcium molybdate   LD50 Dermal   Rat   3800 mg/kg   -     Calcium molybdate   LD50 Dermal   Rat   Sample   Sample   Sample   Sample   Calcium molybdate	tolderle				
LD50 Oral   Rat   636 mg/kg   -					- 110013
Calcium molybdate   LD50 Oral   Rat   3800 mg/kg   -					
2,3-epoxypropyl   neodecanoate   LD50 Dermal   Rat   3800 mg/kg   -	calcium molyhdate				_
LD50 Oral   Rat   9.6 g/kg   -					_
LD50 Oral		LEGO Bollilai	T GC	Joseph Mig/Ng	
2-methoxypropyl acetate LC50 Inhalation Vapor LD50 Dermal Rat >5320 ppm 4 hours -2000 mg/kg - LD50 Oral Rat 8532 mg/kg - LC50 Inhalation Vapor LD50 Dermal Rat 39000 mg/m³ 4 hours - LD50 Dermal Rabbit 12.3 g/kg -		LD50 Oral	Rat	9.6 a/ka	_
LD50 Dermal   Rabbit   >2000 mg/kg   -	2-methoxypropyl acetate				4 hours
LD50 Oral				>2000 ma/ka	-
cumene LC50 Inhalation Vapor Rat 39000 mg/m³ 4 hours LD50 Dermal Rabbit 12.3 g/kg -					-
LD50 Dermal Rabbit 12.3 g/kg -	cumene				4 hours
					-
					-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion
Conclusion/Summary

<u>Conclusion/Summary</u> Skin

Skin Eyes Respiratory

There are no data available on the mixture itself.There are no data available on the mixture itself.

: There are no data available on the mixture itself.

**Sensitization** 

**Conclusion/Summary** 

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**Product name GRS Interior Color** 

## **Section 11. Toxicological information**

Skin : There are no data available on the mixture itself.

**Respiratory**: There are no data available on the mixture itself.

**Mutagenicity** 

**Conclusion/Summary**: There are no data available on the mixture itself.

**Carcinogenicity** 

**Conclusion/Summary**: There are no data available on the mixture itself.

**Classification** 

Product/ingredient name	OSHA	IARC	NTP
titanium dioxide	-	2B	-
xylene	-	3	-
diiron trioxide	-	3	-
Nickel, 5,5'-azobis-2,4,6(1H,	-	1	Known to be a human carcinogen.
3H,5H)-pyrimidinetrione complexes			
carbon black, respirable powder	-	2B	-
ethylbenzene	-	2B	-
toluene	-	3	-
cumene	-	2B	-

#### Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

### Reproductive toxicity

**Conclusion/Summary**: There are no data available on the mixture itself.

**Teratogenicity** 

**Conclusion/Summary**: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
n-butyl acetate	Category 3
butan-1-ol	Category 3
2-ethoxy-1-methylethyl acetate	Category 3
Solvent naphtha (petroleum), light aromatic	Category 3
Naphtha (petroleum), hydrotreated heavy	Category 3
Polyamine Polyester Polymer	Category 3
2-methylpropan-1-ol	Category 3
1,2,4-trimethylbenzene	Category 3
Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-diphenyl-	Category 3
Naphtha (petroleum), hydrodesulfurized heavy	Category 3
toluene	Category 3
2-methoxypropyl acetate	Category 3
cumene	Category 3

Specific target organ toxicity (repeated exposure)

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**Product name GRS Interior Color** 

# Section 11. Toxicological information

Name	Category
<b>e</b> thylbenzene	Category 2
2-butoxyethyl acetate	Category 2
Stoddard solvent	Category 1
Naphtha (petroleum), hydrodesulfurized heavy	Category 1
toluene	Category 2
calcium molybdate	Category 2
cumene	Category 2

#### **Target organs**

: Contains material which causes damage to the following organs: brain, central nervous system (CNS), eye, lens or cornea.

Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, the reproductive system, liver, heart, spleen, lymphatic system, gastrointestinal tract, cardiovascular system, upper respiratory tract, skin, bone marrow, ears, testes.

#### **Aspiration hazard**

Name	Result
ethylbenzene Solvent naphtha (petroleum), light aromatic Naphtha (petroleum), hydrotreated heavy Ligroine Stoddard solvent Naphtha (petroleum), hydrodesulfurized heavy toluene	ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

### Potential acute health effects

**Eye contact** : Causes serious eye damage.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and

dizziness. May cause respiratory irritation.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Ingestion : Can cause central nervous system (CNS) depression.

#### **Over-exposure signs/symptoms**

**Eye contact** : Adverse symptoms may include the following:

pain watering redness

**Inhalation** : Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths

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**Product name GRS Interior Color** 

## **Section 11. Toxicological information**

skeletal malformations

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness dryness cracking

blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations

**Ingestion** : Adverse symptoms may include the following:

stomach pains reduced fetal weight increase in fetal deaths skeletal malformations

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Conclusion/Summary** 

There are no data available on the mixture itself. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure

Potential immediate

effects

: There are no data available on the mixture itself.

Potential delayed effects :

Long term exposure

**Potential immediate** 

effects

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

Potential delayed effects: There are no data available on the mixture itself.

Potential chronic health effects

**General**: Causes damage to organs through prolonged or repeated exposure. Prolonged or

repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to

very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: No known significant effects or critical hazards.

**Teratogenicity**: May damage the unborn child.

Developmental effects : No known significant effects or critical hazards.Fertility effects : No known significant effects or critical hazards.

**Numerical measures of toxicity** 

**Acute toxicity estimates** 

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Product code BCI-3	Date of issue 6 May 2015	Version 3.01
Product name GRS Interior Color		

# Section 11. Toxicological information

Route	ATE value
Oral	10030.7 mg/kg
Dermal	19257.9 mg/kg
Inhalation (gases)	81464.6 ppm
Inhalation (vapors)	39.04 mg/l
Inhalation (dusts and mists)	23.75 mg/l

# Section 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
titanium dioxide 2-methoxy-1-methylethyl acetate	Acute LC50 >100 mg/l Fresh water Acute LC50 161 mg/l Fresh water	Daphnia - Daphnia magna Fish	48 hours 96 hours
ethylbenzene	Acute LC50 150 to 200 mg/l Fresh water	Fish - Lepomis macrochirus - Young of the year	96 hours
2,3-epoxypropyl neodecanoate	Acute EC50 3.5 mg/l	Algae	96 hours
	Acute EC50 4.8 mg/l Acute LC50 9.6 mg/l	Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
ethylbenzene	-	-	Readily
toluene	-	-	Readily
2,3-epoxypropyl neodecanoate	-	-	Not readily

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential	
n-butyl acetate	1.78	-	low	
2-methoxy-1-methylethyl	0.56	-	low	
acetate				
xylene	3.16	7.4 to 18.5	low	
butan-1-ol	0.88	-	low	
2-ethoxy-1-methylethyl	0.76	-	low	
acetate				
ethylbenzene	3.15	79.43	low	
2-methylpropan-1-ol	0.76	-	low	
2-butoxyethyl acetate	1.51	-	low	
1,2,4-trimethylbenzene	3.63	120.23	low	
Stoddard solvent	3.16 to 7.06	-	high	
toluene	2.73	8.32	low	
2,3-epoxypropyl neodecanoate	4.4	-	high	

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Product code BCI-3

Product name GRS Interior Color

Section 12. Ecological information

| cumene | 3.66 | 35.48 | low |

**Mobility in soil** 

Soil/water partition coefficient (Koc)

: Not available.

### Section 13. Disposal considerations

### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

### 14. Transport information

	DOT	IMDG	IATA
UN number	1263	1263	1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	III	III	III
<b>Environmental hazards</b>	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	604.93	Not applicable.	Not applicable.
RQ substances	(xylene, n-butyl acetate)	Not applicable.	Not applicable.

#### **Additional information**

DOT

: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

IMDG : None identified.

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**Product name GRS Interior Color** 

### 14. Transport information

IATA : None identified.

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

### **Section 15. Regulatory information**

United States inventory (TSCA 8b): All components are listed or exempted.

Australia inventory (AICS) : Not determined.

Canada inventory ( DSL ) : At least one component is not listed. Unlisted component(s) have been notified

and volumes are being tracked.

China inventory (IECSC) : Not determined.

**Europe inventory (REACH)** : Please contact your supplier for information on the inventory status of this material.

Japan inventory (ENCS) : Not determined.

Korea inventory (KECI) : Not determined.

New Zealand ( NZIoC ) : Not determined.

Philippines inventory (PICCS) : At least one component is not listed.

**United States** 

United States - TSCA 5(a)2 - Final significant new use rules:

2-ethoxyethyl acetate Listed 2-ethoxyethanol Listed

**SARA 302/304** 

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

**SARA 311/312** 

Classification : Fire hazard

Immediate (acute) health hazard Delayed (chronic) health hazard

#### **Composition/information on ingredients**

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard	
<mark>ଜ</mark> -butyl acetate	Yes.	No.	No.	Yes.	No.	_
titanium dioxide	No.	No.	No.	No.	Yes.	ļ
2-methoxy-1-methylethyl acetate	Yes.	No.	No.	No.	No.	ł
xylene	Yes.	No.	No.	Yes.	No.	ł
butan-1-ol	Yes.	No.	No.	Yes.	No.	ł
2-ethoxy-1-methylethyl acetate	Yes.	No.	No.	Yes.	No.	ł
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes	No.	No.	No.	Yes.	Yes.	ł
carbon black, respirable powder	Yes.	No.	No.	No.	Yes.	+

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### **Product name GRS Interior Color**

# **Section 15. Regulatory information**

aluminium powder (stabilised)	Yes.	No.	No.	No.	No.	
Natural graphite	Yes.	No.	No.	No.	No.	-
[1-[[(2-hydroxyphenyl)imino]methyl]	Yes.	No.	No.	Yes.	No.	-
-2-naphtholato(2-)-N,O,O']copper						
ethylbenzene	Yes.	No.	No.	Yes.	Yes.	-
Solvent naphtha (petroleum), light	Yes.	No.	No.	Yes.	No.	<u>.</u>
aromatic						
Naphtha (petroleum), hydrotreated	Yes.	No.	No.	Yes.	No.	<u>.</u>
heavy						
Polyamine Polyester Polymer	No.	No.	No.	Yes.	No.	• ì
2-methylpropan-1-ol	Yes.	No.	No.	Yes.	No.	-
2-butoxyethyl acetate	Yes.	No.	No.	Yes.	Yes.	• ì
1,2,4-trimethylbenzene	Yes.	No.	No.	Yes.	No.	
Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,	Yes.	No.	No.	Yes.	No.	
5-dihydro-3,6-diphenyl-						
ethyl 3-ethoxypropionate	Yes.	No.	No.	Yes.	No.	
Ligroine	Yes.	No.	No.	Yes.	No.	,
Stoddard solvent	Yes.	No.	No.	Yes.	Yes.	
Zinc Salt	No.	No.	No.	Yes.	No.	,
Naphtha (petroleum),	Yes.	No.	No.	Yes.	Yes.	,
hydrodesulfurized heavy						
Polyurethane Resin	No.	No.	No.	Yes.	No.	
toluene	Yes.	No.	No.	Yes.	Yes.	
calcium molybdate	No.	No.	No.	Yes.	Yes.	,
2,3-epoxypropyl neodecanoate	No.	No.	No.	Yes.	Yes.	
2-methoxypropyl acetate	Yes.	No.	No.	Yes.	Yes.	
cumene	Yes.	No.	No.	Yes.	Yes.	

### **SARA 313**

#### **Supplier notification**

	<u>Chemical name</u>	CAS number	<b>Concentration</b>
÷	bismuth vanadium tetraoxide	14059-33-7	15 - 40
	xylene	1330-20-7	10 - 30
	butan-1-ol	71-36-3	10 - 30
	Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-	68511-62-6	1 - 5
	pyrimidinetrione complexes		
	Aluminium powder (stabilized)	7429-90-5	1 - 5
	[1-[[(2-hydroxyphenyl)imino]methyl]-2-naphtholato	15680-42-9	1 - 5
	(2-)-N,O,O']copper		
	ethylbenzene	100-41-4	1 - 5
	2-butoxyethyl acetate	112-07-2	1 - 5
	1,2,4-trimethylbenzene	95-63-6	1 - 5
	toluene	108-88-3	0.5 - 1.5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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**Product name GRS Interior Color** 

### Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health: 3 \* Flammability: 3 Physical hazards: 1

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health: 3 Flammability: 3 Instability: 1

Date of previous issue : 3/4/2015.

Organization that prepared : EHS

the MSDS

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

Indicates information that has changed from previously issued version.

#### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

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