



SAFETY DATA SHEET

Date of document:

Origination:
06-Jan-2009

Last Regulatory Review
19-Jan-2022

Print Date:
19-Jan-2022

1. IDENTIFICATION

Product identifier

Product Id: **83R5438**
Product Name: **PHthalate COMPLIANT RED OXIDE**

Other means of identification

CAS Number: Mixture
Synonyms: None
Supplied By: Penn Color, Inc.
400 Old Dublin Pike
Doylestown, PA 18901

Recommended use of the chemical and restrictions on use

Recommended Use: FOR INDUSTRIAL USE ONLY!
Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer: Penn Color, Inc. 400 Old Dublin Pike Doylestown, PA 18901	Company Phone Number: 1 (215) 997-2221	Facsimile: 1 (215) 822-5801
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Contact Point	Product Stewardship Team
SDS Inquiries:	msds@penncolor.com
Regulatory Inquiries:	regulatory@penncolor.com
Web Address:	www.penncolor.com

Emergency Telephone Number:

Chemtrec USA: 1 (800) 424-9300 or +1 (703) 527-3887

Chemtrec Registrant Identifier:

Penn Color, Inc. CCN - 16979

<h2>2. Hazard(s) Identification</h2>

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

<p><u>Classification</u></p> <p>Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)</p> <p><u>Signal word</u></p> <p>None</p>

Hazard statements

None

Precautionary Statements - Prevention

None

Precautionary Statements - Response

None

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Other Information:

Unknown acute toxicity	0 % of the mixture consists of ingredient(s) of unknown toxicity
Acute oral toxicity	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
Acute dermal toxicity	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
Acute inhalation toxicity - gas	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

**Acute inhalation
toxicity - vapor**

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

**Acute inhalation
toxicity - dust/mist**

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

Description of first aid measures

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician

Skin contact	Wash skin with soap and water
Inhalation	Remove to fresh air
Ingestion	Clean mouth with water and drink afterwards plenty of water

Most important symptoms and effects, both acute and delayed

Symptoms No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
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Unsuitable extinguishing media	Caution: Use of water spray when fighting fire may be inefficient.
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Specific hazards arising from the chemical	No information available
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Hazardous combustion products	Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, and other toxic compounds.
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Explosion data

Sensitivity to Mechanical Impact
Sensitivity to Static Discharge

None.
None.

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation

Methods and material for containment and cleaning up

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.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place

Incompatible materials None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here

Chemical Name	Alberta	British Columbia	Ontario TWA	Quebec
Titanium Dioxide 13463-67-7 0.25 - < 1	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³

Note:

For more information regarding the hazards of titanium dioxide, please see **Section 11**.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Solid
Appearance:	Chip
Color	red
Odor:	No information available
Odor Threshold:	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH	no data available	None known
Melting point / freezing point	no data available	None known
Boiling point / boiling range (° C)	no data available	None known
Flash point	no data available	None known
Evaporation rate	no data available	None known
Flammability (solid, gas)	no data available	None known
Flammability Limit in Air		
Upper flammability or	no data available	None known

explosive limits		
Lower flammability or explosive limits	no data available	None known
Vapor Pressure	no data available	None known
Vapor Density	no data available	None known
Relative Density	2.128	
Water Solubility	no data available	None known
Solubility in Other Solvents	no data available	None known
Partition Coefficient: n-octanol / water	no data available	None known
Autoignition temperature	no data available	None known
Decomposition temperature	no data available	None known
Kinematic Viscosity	no data available	None known
Dynamic viscosity	no data available	None known

Other Information

Explosive properties	no data available.
Oxidizing properties	no data available.
Softening Point	no data available
Liquid Density (lb / Gallon)	no data available
Bulk Density	no data available

10. STABILITY AND REACTIVITY

Reactivity	Stable.
Chemical stability	Stable under normal conditions
Possibility of Hazardous Reactions	None under normal processing
Conditions to avoid	None known based on information supplied
Incompatible materials	None known based on information supplied
Hazardous Decomposition	None known based on information supplied.

Products

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available
Eye contact	Specific test data for the substance or mixture is not available
Skin contact	Specific test data for the substance or mixture is not available
Ingestion	Specific test data for the substance or mixture is not available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available
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Numerical Measures of Toxicity

Acute Toxicity

Unknown Acute Toxicity

Unknown acute toxicity	0 % of the mixture consists of ingredient(s) of unknown toxicity
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Acute dermal toxicity	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

Acute inhalation toxicity - gas	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
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Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide 13463-67-7			= 5.09 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation	Causes serious eye irritation
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH:	IARC	NTP:	OSHA:
Titanium Dioxide 13463-67-7		Group 2B		X

Legend

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Other information

This product has not been reviewed for carcinogenicity by IARC, NTP, OSHA or ACGIH. It contains titanium dioxide which is not listed as a carcinogen by NTP, OSHA, or ACGIH. However, in 2006, IARC released Monograph Vol. 93 in which it reclassified titanium dioxide from not classifiable as to its carcinogenicity to humans (Group 3) to possibly carcinogenic to humans (Group 2B). The reclassification was based on two studies in which rats were exposed to extremely high concentrations of titanium dioxide pigment powders in a closed chamber for extended periods of time. It is important to note that the results of epidemiology studies which evaluated more than 20,000 titanium dioxide industry workers in Europe and the US did NOT suggest a carcinogenic effect from titanium dioxide dust on the human lung or mortality from other chronic diseases including respiratory diseases not associated with titanium dioxide dust. Based upon the results of these studies, the pigment manufacturer(s) conclude that TiO₂ will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace. For additional information, see **Section 15**

Reproductive toxicity No information available

Developmental Toxicity No information available.

Teratogenicity No information available.

STOT - single exposure No information available

STOT - repeated exposure No information available

Target Organ Effects No information available.

Subchronic Toxicity No information available.

Neurological Effects No information available.

Other Adverse Effects No information available.

Aspiration hazard No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and degradability No information available.

Bioaccumulation No information available

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

TDG:

Status: Not regulated

USDOT:

Status: Not regulated

ICAO / IATA:

Status: Not regulated

IMO:

Status: Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

**The Montreal Protocol on Substances that
Deplete the Ozone Layer**

No information available

**The Stockholm Convention on Persistent
Organic Pollutants**

No information available

The Rotterdam Convention

No information available

International Inventories:

Canada: All of the ingredients are listed on or compliant with the DSL
Inventory.

Inventory Note: For additional global inventory information, please contact the Product
Stewardship Team at regulatory@penncolor.com

Legend:

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

16. OTHER INFORMATION

HMIS Health Rating:

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	X

Legend

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation

Date of document:

Origination:	06-Jan-2009
Last Regulatory Review	19-Jan-2022
Print Date:	19-Jan-2022

Revision Note:

Revision Date:	19-Jan-2022
Revision Number:	1
Reason for Revision:	No information available

Disclaimer

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End of Safety Data Sheet