

# Safety Data Sheet

acc. to OSHA HCS

Printing date: 12/22/2025

Revised on: 12/18/2025

## 1 Identification

- **Product Name:** RR COLORANT
- **Product Number:** 196-52\*\*
- **Manufacturer/Supplier:**  
Harrison Paint Company  
1329 Harrison Ave SW  
Canton, OH 44706  
USA
- **Information telephone number:** 330-455-5125
- **Emergency telephone number:** 330-455-5125

## 2 Hazard(s) identification

- **Classification of the substance or mixture:**  
Flammable Liquids 3 H226 Flammable liquid and vapor.  
Carcinogenicity 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS02 GHS08

- **Signal word:** Warning
- **Hazard-determining components of labeling:**  
titanium dioxide  
Carbon black
- **Hazard statements:**  
Flammable liquid and vapor.  
Suspected of causing cancer. Route of exposure: Inhalation.
- **Precautionary statements:**  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If exposed or concerned: Get medical advice/attention.  
In case of fire: Use CO2, sand, extinguishing powder to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 2  
Reactivity = 0

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**· HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	2	Fire = 2
REACTIVITY	0	Reactivity = 0

**· Other hazards:**
**· Results of PBT and vPvB assessment:**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

**· Chemical characterization: Mixture**
**· Description:** Mixture of the substances listed below with nonhazardous additions.

**· Hazardous components:**

13463-67-7	titanium dioxide	40-60%
108-65-6	2-methoxy-1-methylethyl acetate	10-20%
1333-86-4	Carbon black	2.5-5%

### 4 First-aid measures

**· Description of first aid measures:**
**· General information:** Immediately remove any clothing soiled by the product.

**· For inhalation:** Supply fresh air; consult doctor in case of complaints.

**· For skin contact:** Immediately rinse with water.

**· For eye contact:** Rinse opened eye for several minutes under running water.

**· For swallowing:**

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

**· Information for doctor:**
**· Most important symptoms and effects, both acute and delayed:** No further relevant information available.

**· Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

### 5 Fire-fighting measures

**· Extinguishing media:**
**· Suitable extinguishing agents:**

Sand. Do not use water.

 CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**· For safety reasons unsuitable extinguishing agents:** Water

**· Special hazards arising from the substance or mixture:** No further relevant information available.

**· Advice for firefighters:**
**· Protective equipment:** Wear self-contained respiratory protective device.

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## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, universal binder or other inert absorbent).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

**Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**Protective Action Criteria for Chemicals****PAC-1:**

13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
1309-37-1	diiron trioxide	15 mg/m <sup>3</sup>
1333-86-4	Carbon black	9 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	18 mg/m <sup>3</sup>
21645-51-2	aluminium hydroxide	8.7 mg/m <sup>3</sup>

**PAC-2:**

13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
1309-37-1	diiron trioxide	360 mg/m <sup>3</sup>
1333-86-4	Carbon black	99 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	740 mg/m <sup>3</sup>
21645-51-2	aluminium hydroxide	73 mg/m <sup>3</sup>

**PAC-3:**

13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
1309-37-1	diiron trioxide	2,200 mg/m <sup>3</sup>
1333-86-4	Carbon black	590 mg/m <sup>3</sup>
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m <sup>3</sup>
21645-51-2	aluminium hydroxide	440 mg/m <sup>3</sup>

## 7 Handling and storage

**Handling:****Precautions for safe handling:** Open and handle receptacle with care.**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities:**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

- **Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

- **Control parameters:**

- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

108-65-6 2-methoxy-1-methylethyl acetate	
WEEL	Long-term value: 50 ppm

1333-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m <sup>3</sup>
REL	Long-term value: 3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m <sup>3</sup> *inhalable fraction, A3

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls:**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before eating, smoking, using the restroom and at the end of the workday.

Store protective clothing separately.

- **Breathing equipment:**

In case of brief exposure or low concentrations, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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**· Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· Eye protection:**


Tightly sealed goggles

## 9 Physical and chemical properties

**· Information on basic physical and chemical properties:**
**· General Information:**
**· Appearance:**

**Form:** Liquid  
**Color:** Various colors

**· Odor:** Sweet

**· Odor threshold:** Not determined.

**· pH-value:** Not determined.

**· Change in condition:**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 146.4 °C (295.5 °F)

**· Flash point:** 44 °C (111.2 °F)

**· Flammability (solid, gaseous):** Flammable.

**· Auto igniting:** 315 °C (599 °F)

**· Decomposition temperature:** Not determined.

**· Ignition temperature:** Product is not selfigniting.

**· Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

**· Explosion limits:**

**Lower:** 1.5 Vol %  
**Upper:** 10.8 Vol %

**· Vapor pressure at 20 °C (68 °F):** 3.4 hPa (2.6 mm Hg)

**· Density at 20 °C (68 °F):** 1.7 g/cm<sup>3</sup> (14.187 lbs/gal)

**· Relative density:** Not determined.

**· Vapour density:** Heavier than air.

**· Evaporation rate:** Slower than ether.

**· Solubility in / Miscibility with:**

**Water:** Fully miscible.

**· Partition coefficient (n-octanol/water):** Not determined.

**· Viscosity:**

**Dynamic:** Not determined.  
**Kinematic:** Not determined.

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· <b>Solvent content:</b>	
<b>Organic solvents:</b>	11.4 %
<b>VOC content:</b>	11.39 %
	193.6 g/l / 1.62 lb/gal
· <b>Solids content:</b> 21.8 %	
· <b>Other information:</b> No further relevant information available.	

## 10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Do not store or use near sparks, flame, or other ignition sources.
- **Incompatible materials:** Strong acids and alkalis, bleach, strong oxidizers.
- **Hazardous decomposition products:**  
Burning may yield carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons.

## 11 Toxicological information

- **Information on toxicological effects:**
- **Acute toxicity:**

**LD/LC50 values that are relevant for classification:****13463-67-7 titanium dioxide**

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:

**Carcinogenic categories:****IARC (International Agency for Research on Cancer):**

13463-67-7	titanium dioxide	2B
1309-37-1	diiron trioxide	3
1333-86-4	Carbon black	2B
7631-86-9	silicon dioxide, chemically prepared	3

**NTP (National Toxicology Program):**

None of the ingredients is listed.

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**· OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |                                   |  |
|-----------------------------------|--|
| · <b>UN-Number:</b>               |  |
| · <b>DOT, IMDG, IATA</b>          | UN3272   |
| · <b>UN proper shipping name:</b> |  |
| · <b>DOT</b>                      | This material has a flash point at or above 38°C and may be reclassified as a combustible liquid. A combustible liquid in non-bulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground. |
|                                   | Esters, n.o.s.   |
| · <b>IMDG, IATA</b>               | ESTERS, N.O.S. (2-methoxy-1-methylethyl acetate)   |

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**Product Name:** RR COLORANT

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**· Transport hazard class(es):**
**· DOT**

**· Class**

3 Flammable liquids

This material has a flash point at or above 38°C and may be reclassified as a combustible liquid. A combustible liquid in non-bulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground.

**· Label**

3

**· IMDG, IATA**

**· Class**

3 Flammable liquids

**· Label**

3

**· Packing group:**

III

**· DOT, IMDG, IATA**
**· Environmental hazards:**

Not applicable.

**· Special precautions for user:**

Warning: Flammable liquids

**· Hazard identification number (Kemler code):**

30

**· EMS Number:**

F-E,S-D

**· Stowage Category**

A

**· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable.

**· Transport/Additional information:**
**· DOT**
**· Quantity limitations:**

On passenger aircraft/rail: 60 L  
On cargo aircraft only: 220 L

**· IMDG**
**· Limited quantities (LQ):**

5L

**· Excepted quantities (EQ):**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**· UN "Model Regulation":**

UN 3272 ESTERS, N.O.S. (2-METHOXY-1-METHYLETHYL ACETATE), 3, III

## 15 Regulatory information

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

No further relevant information available.

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**· SARA:**
**· Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

**· Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

**· TSCA (Toxic Substances Control Act):**

13463-67-7	titanium dioxide	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
88917-22-0	Dipropylene glycol monomethyl ether acetate	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
1333-86-4	Carbon black	ACTIVE
6358-31-2	First Yellow PGX-01 (Y74)	ACTIVE
7631-86-9	silicon dioxide, chemically prepared	ACTIVE
21645-51-2	aluminium hydroxide	ACTIVE
77-99-6	propylidynetrimehanol	ACTIVE

**· Hazardous Air Pollutants**

None of the ingredients is listed.

**· Proposition 65:**
**· Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
1333-86-4	Carbon black

**· Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**· Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**· Carcinogenic categories:**
**· EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**· TLV (Threshold Limit Value)**

13463-67-7	titanium dioxide	A4
1309-37-1	diiron trioxide	A4
1333-86-4	Carbon black	A4

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7	titanium dioxide
1333-86-4	Carbon black

**· GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

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**Product Name:** RR COLORANT*(Contd. from page 9)***Hazard pictograms:**

GHS02 GHS08

**Signal word:** Warning**Hazard-determining components of labeling:**

titanium dioxide

Carbon black

**Hazard statements:**

Flammable liquid and vapor.

Suspected of causing cancer. Route of exposure: Inhalation.

**Precautionary statements:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If exposed or concerned: Get medical advice/attention.

In case of fire: Use CO<sub>2</sub>, sand, extinguishing powder to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:** Laboratory**Contact:** Laboratory Manager**Date of preparation / last revision:** 12/22/2025**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

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TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Flammable Liquids 3: Flammable liquids – Category 3  
Carcinogenicity 2: Carcinogenicity – Category 2

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