



Section 1. Identification

Product identifier

Product Identity R&F Drawing Oils™

Other means of identification Not Applicable

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

Drawing Oils for Artists.

Details of the supplier of the safety data sheet

Company Name R&F Handmade Paints
84 Ten Broeck Avenue
Kingston, NY 12401

Emergency

24 hour Emergency Telephone No. 845-331-3112

Customer Service: 845-331-3112

Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Acute toxicity(oral), category 4;H302

Harmful if swallowed.

Specific target organ toxicity, repeated exposure category 2;H373

May cause damage to organs through prolonged or repeated exposure.

Aquatic toxicity (acute), category 2;H401

Toxic to aquatic life.

Aquatic toxicity (chronic), category 2;H411

Toxic to aquatic life with long lasting effects.

Label elements



Warning

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

[Prevention]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust, fume, mist, vapors or spray.

P264 Wash thoroughly after handling.



P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

[Response]

P301+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.

P302+312 IF ON SKIN: Call a POISON CENTER or doctor , physician if you feel unwell

P314 Get Medical advice or attention if you feel unwell.

P330 Rinse mouth.

P391 Collect spillage.

[Storage]

P405 Store locked up.

[Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the Organisation for Economic Co-operation and Development (OECD) list of Per- and Polyfluoroalkyl Substances (PFASs).

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Linseed oil CAS Number: 8001-26-1 Synonyms: No available information	45 - 70	Not Classified	-----
C.I. Pigment Black 11 CAS Number: 12227-89-3 Synonyms: PIGMENT BLACK 11	30 - 60	Not Classified	-----
Iron oxide CAS Number: 1309-37-1 Synonyms: CI 77491 Pigment Red 101	30 - 60	Not Classified	-----
C.I. Pigment Yellow 53 CAS Number: 8007-18-9 Synonyms: Pigment yellow 53	30 - 60	Not Classified	-----
Chrome oxide CAS Number: 1308-38-9 Synonyms: CHROMIUM III OXIDE	30 - 60	Not Classified	-----
Titanium dioxide CAS Number: 13463-67-7 Synonyms: C475001, C47051	30 - 60	Not Classified	-----
C.I. Pigment Yellow 37 CAS Number: 68859-25-6 Synonyms: cadmium zinc sulfide yellow, cadmium(2+) zinc(2+) disulfanediide	30 - 60	Not Classified	-----



DIPHOSPHORIC ACID, AMMONIUM MANGANESE(3+) SALT (1: CAS Number: 10101-66-3 Synonyms: Diphosphoric acid, ammonium manganese(3+) salt (1:1:1), Pigment violet 16	10 - 30	Not Classified	-----
Cadmium sulfoselenide orange CAS Number: 12656-57-4 Synonyms: C.I. Pigment Orange 20	10 - 30	Not Classified	-----
Raw umber CAS Number: 12713-03-0 Synonyms: No available information	10 - 30	Not Classified	-----
C.I. Pigment Blue 36 CAS Number: 68187-11-1 Synonyms: Pigment blue 36	10 - 30	Not Classified	-----
Iron hydroxide oxide yellow CAS Number: 51274-00-1 Synonyms: CI 77492 Pigment Yellow 42, Yellow Iron Oxide	10 - 30	Not Classified	-----
Cadmium sulfoselenide red CAS Number: 58339-34-7 Synonyms: C.I. Pigment Red 108, Cadmium Red Light, Cadmium Red Orange, Red Middle 7480, Pigment Red 108	10 - 30	Acute toxicity(oral), category 4;H302 Acute toxicity(dermal), category 4;H312 Acute toxicity(inhalation), category 4;H332	-----
C.I. Pigment blue 29 CAS Number: 57455-37-5 Synonyms: pigment blue 29, Ultramarine blue	10 - 30	Not Classified	-----
C.I. Pigment blue 28 CAS Number: 1345-16-0 Synonyms: pigment blue 28, cobalt aluminate blue spinel	10 - 30	Not Classified	-----
MICA CAS Number: 12001-26-2 Synonyms: No available information	10 - 30	Not Classified	-----
Natural Waxes (trade secret) CAS Number: NA	7 - 30	Not Classified	-----
pigment Violet 19 CAS Number: 1047-16-1 Synonyms: CI 73900, C.I. Pigment Violet 19, FASTOGEN Super Magenta, Cinquasia Red K 4104 , CHROMOFINE RED 6805, 5,12-dihydroquinolino[2,3-b]acridine-7,14-dione	7 - 13	Not Classified	-----
Zinc oxide CAS Number: 1314-13-2 Synonyms: No available information	7 - 13	Aquatic toxicity (acute), category 1;H400 Aquatic toxicity (chronic), category 1;H410	-----
Phthalo Blue 15:3 CAS Number: 147-14-8 Synonyms: C.I. Pigment Blue 15, Copper, Ö29H,31H-phthalocyaninato(2-)-N29,N30,N31,, Organic pigment	7 - 13	Combustible Dust	-----
Linseed oil, polymerized CAS Number: 67746-08-1 Synonyms: Linseed stand oil	7 - 13	Not Classified	-----
Butanamide, 2,2'-[[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxo- CAS Number: 5567-15-7 Synonyms: Pigment yellow 83	3 - 7	Not Classified	-----
C.I. Pigment Green 7 CAS Number: 1328-53-6 Synonyms: Phthalocyanine green	3 - 7	Not Classified	-----
Iron hydroxide (Fe(OH)3) CAS Number: 1309-33-7 Synonyms: No available information	3 - 7	Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2;H319	-----



		Specific target organ toxicity, Single exposure category 3;H335	
Basic pigment violet 23 CAS Number: 215247-95-3 Synonyms: 2,20-dichloro-13,31-diethyl-4,22-dioxo-13,18,31,36-tetraazanonacyclo[19.15.0.03,19.05,17.06,14.07,12.023,25.024,32.025,3, Pigment Violet 23 , FASTOGEN Super Violet, GAFAST VOILET 23 , Violet 23 , C.I. Pigment Violet 23	3 - 7	Not Classified	-----
Carbazole dioxazine violet CAS Number: 6358-30-1 Synonyms: Pigment violet 23	3 - 7	Not Classified	-----
Quinolinium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-1-ethyl-, iodide CAS Number: 117-92-0 Synonyms: Quinaldine red indicator Reag. Ph Eur	3 - 7	Not Classified	-----

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed	
Overview	No specific symptom data available. No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.
Ingestion	Harmful if swallowed.

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Do not breathe dust, fume, mist, vapors or spray.



Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Incompatible materials: No data available.

See section 2 for further details. - [Storage]

Specific end use(s)

No data available.

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
117-92-0	Quinolinium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-1-ethyl-, iodide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
147-14-8	Phthalo Blue 15:3	OSHA	1 mg/m ³ (Dusts and mists (as Cu)), 0.1 mg/m ³ fume)
		ACGIH	No Established Limit
		NIOSH	No Established Limit



1047-16-1	pigment Violet 19	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1308-38-9	Chrome oxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1309-33-7	Iron hydroxide (Fe(OH) ₃)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1309-37-1	Iron oxide	OSHA	15 mg/m ³ (total dust), 10 mg/m ³ (fume), 5 mg/m ³ (respirable fraction)
		ACGIH	5 mg/m ³ (R) Respirable fraction
		NIOSH	TWA 5 mg/m ³
1314-13-2	Zinc oxide	OSHA	5 mg/m ³ (fume and respirable fraction), 15 mg/m ³ (total dust)
		ACGIH	2 mg/m ³ (R) Respirable fraction 10 mg/m ³ (R) Respirable fraction
		NIOSH	10 mg/m ³ STEL (fume)
1328-53-6	C.I. Pigment Green 7	OSHA	TWA 1 mg/m ³ [*Note: The PEL also applies to other copper compounds (as Cu) except copper fume.]
		ACGIH	For 5.6% copper(TWA: 0.2 mg/m ³ (fume) 1 mg/m ³ (dusts and mists))
		NIOSH	No Established Limit
5567-15-7	Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxo-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
6358-30-1	Carbazole dioxazine violet	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
8001-26-1	Linseed oil	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
8007-18-9	C.I. Pigment Yellow 53	OSHA	0.5 mg/m ³ (as Sb)
		ACGIH	No Established Limit
		NIOSH	No Established Limit
68859-25-6	C.I. Pigment Yellow 37	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
10101-66-3	DIPHOSPHORIC ACID, AMMONIUM MANGANESE(3+) SALT (1:	OSHA	C 5 mg/m ³ (as Mn)
		ACGIH	No Established Limit
		NIOSH	No Established Limit
12001-26-2	MICA	OSHA	20 mppcf (less than 1% crystalline silica): Mica
		ACGIH	0.1 mg/m ³ (R) Respirable fraction
		NIOSH	TWA 3 mg/m ³ (resp)
12227-89-3	C.I. Pigment Black 11	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit



12656-57-4	Cadmium sulfoselenide orange	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
12713-03-0	Raw umber	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
13463-67-7	Titanium dioxide	OSHA	15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)
		ACGIH	Nanoscale 0.2 mg/m ³ (R) Respirable fraction - finescale 2.5 mg/m ³ ®
		NIOSH	See Appendix A: NIOSH Potential Occupational Carcinogens
51274-00-1	Iron hydroxide oxide yellow	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
57455-37-5	C.I. Pigment blue 29	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1345-16-0	C.I. Pigment blue 28	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
58339-34-7	Cadmium sulfoselenide red	ACGIH	No Established Limit
		NIOSH	No Established Limit
		NIOSH	No Established Limit
67746-08-1	Linseed oil, polymerized	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
NA	Natural Waxes	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
68187-11-1	C.I. Pigment Blue 36	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
215247-95-3	Basic pigment violet 23	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.

Eyes

Protective safety glasses recommended

Skin

Protective gloves recommended.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.



Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Solid
Color	Iridescent Pewter • Raw Umber • WarmPink • Jaune Brillant • Ancient Gold • Azure Blue • Brilliant Yellow Extra Pale • Brown Pink • Cadmium Orange • Cadmium Yellow Lt • Celadon Green • Cerulean Extra Pale • Cerulean Grey • Cherry Absinthe • Titanium-Zinc White • Cobalt Blue • Dianthus Pink • Malachite Green • Manganese Violet • Mars Black • Mars Red • Mars Yellow Lt • Midnight Blue • Neutral Grey Medium • Nickel Yellow • Olive Yellow • Payne's Grey • Permanent Green • Phthalo Blue • Provence Blue • Quinacridone Magenta • Quin Magenta Light • Quinacridone Red • Sap Green • Turkey Umber Pale • Turquoise Blue • Unbleached Titanium • Veronese Green • Chromium Oxide • Egyptian Violet
Odor	Not Provided
Melting point / freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Available Upper Explosive Limit: Not Available
Flash Point	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
pH	Not Available
Viscosity (cSt)	Not Available
Solubility in Water	Not Available
Partition coefficient n-octanol/water (Log Kow)	Not Available
Vapor pressure (Pa)	Not Available
Relative Density	Not Available
Vapor Density	Not Available
Evaporation rate (Ether = 1)	Not Available
VOC Content	Not Available
Other information	No other relevant information.

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.

Chemical stability

Stable under normal circumstances.



Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

No data available.

Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Linseed oil - (8001-26-1)	No data available.	No data available.	No data available.	No data available.	No data available.
C.I. Pigment Black 11 - (12227-89-3)	No data available.	No data available.	No data available.	No data available.	No data available.
Iron oxide - (1309-37-1)	> 5,000.00, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.
C.I. Pigment Yellow 53 - (8007-18-9)	No data available.	No data available.	No data available.	No data available.	No data available.
Chrome oxide - (1308-38-9)	> 5,000.00, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.
Titanium dioxide - (13463-67-7)	> 25,000.00, Rat - Category: NA	No data available.	No data available.	6.82, Rat - Category: NA	No data available.
C.I. Pigment Yellow 37 - (68859-25-6)	No data available.	No data available.	No data available.	No data available.	No data available.
DIPHOSPHORIC ACID, AMMONIUM MANGANESE(3+) SALT (1: - (10101-66-3)	12,901.00, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.
Cadmium sulfoselenide orange - (12656-57-4)	No data available.	No data available.	No data available.	No data available.	No data available.
Raw umber - (12713-03-0)	No data available.	No data available.	No data available.	No data available.	No data available.
C.I. Pigment Blue 36 - (68187-11-1)	No data available.	No data available.	No data available.	No data available.	No data available.
Iron hydroxide oxide yellow - (51274-00-1)	> 10,000, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.
Cadmium sulfoselenide red - (58339-34-7)	No data available.	No data available.	No data available.	No data available.	No data available.
C.I. Pigment blue 29 - (57455-37-5)	No data available.	No data available.	No data available.	No data available.	No data available.
C.I. Pigment blue 28 - (1345-16-0)	No data available.	No data available.	No data available.	No data available.	No data available.
MICA - (12001-26-2)	No data available.	No data available.	No data available.	No data available.	No data available.



pigment Violet 19 - (1047-16-1)	No data available.	No data available.	No data available.	No data available.	No data available.
Zinc oxide - (1314-13-2)	> 5,000.00, Rat - Category: NA	No data available.	No data available.	5.70, Rat - Category: 5	No data available.
Phthalo Blue 15:3 - (147-14-8)	6,401.00, Rat - Category: NA	> 5,000.00, Rat - Category: NA	No data available.	No data available.	No data available.
Linseed oil, polymerized - (67746-08-1)	No data available.	No data available.	No data available.	No data available.	No data available.
Natural Waxes (No CAS number)	No data available.	No data available.	No data available.	No data available.	No data available.
Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxo-] - (5567-15-7)	5,000.00, Rat - Category: 5	No data available.	No data available.	No data available.	No data available.
C.I. Pigment Green 7 - (1328-53-6)	> 5,000.00, Rat - Category: NA	> 2,000.00, Rat - Category: NA	No data available.	No data available.	No data available.
Iron hydroxide (Fe(OH)3) - (1309-33-7)	No data available.	No data available.	No data available.	No data available.	No data available.
Basic pigment violet 23 - (215247-95-3)	No data available.	No data available.	No data available.	No data available.	No data available.
Carbazole dioxazine violet - (6358-30-1)	10,000.00, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.
Quinolinium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-1-ethyl-, iodide - (117-92-0)	No data available.	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
117-92-0	Quinolinium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-1-ethyl-, iodide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
147-14-8	Phthalo Blue 15:3	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1047-16-1	Pigment Violet 19	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1308-38-9	Chrome oxide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		ACGIH	No Established Limit
1309-33-7	Iron hydroxide (Fe(OH)3)	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1309-37-1	Iron oxide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		ACGIH	A4
1314-13-2	Zinc oxide	OSHA	Regulated Carcinogen: No;



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Revision
Date: 06/18/2025

		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1328-53-6	C.I. Pigment Green 7	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
5567-15-7	Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxo-	ACGIH	No Established Limit
		OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
6358-30-1	Carbazole dioxazine violet	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
		OSHA	Regulated Carcinogen: No;
8001-26-1	Linseed oil	NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
8007-18-9	C.I. Pigment Yellow 53	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
68859-25-6	C.I. Pigment Yellow 37	ACGIH	No Established Limit
		OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
10101-66-3	DIPHOSPHORIC ACID, AMMONIUM MANGANESE(3+) SALT (1:	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
		OSHA	Regulated Carcinogen: No;
12001-26-2	MICA	NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
12227-89-3	C.I. Pigment Black 11	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
12656-57-4	Cadmium sulfoselenide orange	ACGIH	No Established Limit
		OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;

12713-03-0	Raw umber	OSHA	Regulated Carcinogen: No;
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		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
13463-67-7	Titanium dioxide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No;
		ACGIH	A3
51274-00-1	Iron hydroxide oxide yellow	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
57455-37-5	C.I. Pigment blue 29	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1345-16-0	C.I. Pigment blue 28	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
58339-34-7	Cadmium sulfoselenide red	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
67746-08-1	Linseed oil, polymerized	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
68187-11-1	C.I. Pigment Blue 36	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
NA	Natural Waxes	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
215247-95-3	Basic pigment violet 23	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable



Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

Possible routes of entry: No available information

Symptoms and effects, both acute and delayed:

No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically.

Skin May be harmful in contact with skin.

Ingestion Harmful if swallowed.

Section 12. Ecological information

Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Linseed oil - (8001-26-1)	No data available.	No data available.	No data available.
C.I. Pigment Black 11 - (12227-89-3)	No data available.	No data available.	No data available.
Iron oxide - (1309-37-1)	No data available.	101.00, Daphnia magna	No data available.
C.I. Pigment Yellow 53 - (8007-18-9)	No data available.	No data available.	No data available.
Chrome oxide - (1308-38-9)	151.30, Cyprinus carpio	No data available.	No data available.
Titanium dioxide - (13463-67-7)	294.00, Oryzias latipes	501.00, Daphnia magna	101.00, Pseudokirchneriella subcapitata
C.I. Pigment Yellow 37 - (68859-25-6)	No data available.	No data available.	No data available.
DIPHOSPHORIC ACID, AMMONIUM MANGANESE(3+) SALT (1: - (10101-66-3)	No data available.	No data available.	No data available.
Cadmium sulfoselenide orange - (12656-57-4)	No data available.	No data available.	No data available.
Raw umber - (12713-03-0)	No data available.	No data available.	No data available.
C.I. Pigment Blue 36 - (68187-11-1)	No data available.	No data available.	No data available.
Iron hydroxide oxide yellow - (51274-00-1)	1,000.00, Leuciscus idus	No data available.	No data available.
Cadmium sulfoselenide red - (58339-34-7)	No data available.	No data available.	No data available.
C.I. Pigment blue 29 - (57455-37-5)	No data available.	No data available.	No data available.
C.I. Pigment blue 28 - (1345-16-0)	No data available.	No data available.	No data available.
MICA - (12001-26-2)	No data available.	No data available.	No data available.
pigment Violet 19 - (1047-16-1)	No data available.	No data available.	No data available.



Zinc oxide - (1314-13-2)	No data available.	101.00, Daphnia magna	No data available.
Phthalo Blue 15:3 - (147-14-8)	101.00, Danio rerio	501.00, Daphnia magna	101.00, Desmodesmus subspicatus
Linseed oil, polymerized - (67746-08-1)	No data available.	No data available.	No data available.
Butanamide, 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxo-]- (5567-15-7)	18.00, Oncorhynchus mykiss	No data available.	No data available.
C.I. Pigment Green 7 - (1328-53-6)	100.00, Oncorhynchus mykiss	500.00, Daphnia magna	100.00, Scenedesmus subspicatus
Iron hydroxide (Fe(OH)3) - (1309-33-7)	No data available.	No data available.	No data available.
Basic pigment violet 23 - (215247-95-3)	No data available.	No data available.	No data available.
Carbazole dioxazine violet - (6358-30-1)	No data available.	No data available.	No data available.
Quinolinium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-1-ethyl-, iodide - (117-92-0)	No data available.	No data available.	No data available.

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

Not Available

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This product contains PBT/vPvB/vPvM chemicals.

Other adverse effects

No data available.

Section 13. Disposal considerations

Waste treatment methods

Waste should not be released to sewers. Observe all federal, state, and local regulations when disposing of this substance.

Section 14. Transport information

Not regulated for packages under 5L (1.3 gallons) or 5.0 kg (11 lbs).

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	UN3082	UN3082	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s., (Zinc oxide, 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol)	Environmentally hazardous substances, liquid, n.o.s., (Zinc oxide, 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol)	Environmentally hazardous substances, liquid, n.o.s., (Zinc oxide, 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol)
Transport hazard class(es)	Class: 9 Sub Class: Not Applicable	Class: 9 Sub Class: Not Applicable	Class: 9 Sub Class: Not Applicable



Packing group III

III

III

Environmental hazards

IMDG Marine Pollutant: Yes; (Zinc oxide)

Special precautions for user

Not Applicable

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0215247-95-3	Basic pigment violet 23	Yes		ACTIVE
0000147-14-8	Phthalo Blue 15:3	Yes		ACTIVE
0005567-15-7	Butanamide, 2,2'-[([3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxo-	Yes		ACTIVE
0012227-89-3	C.I. Pigment Black 11	Yes		ACTIVE
0057455-37-5	C.I. Pigment blue 29	Yes		ACTIVE
0001345-16-0	C.I. Pigment blue 28	Yes		ACTIVE
0068187-11-1	C.I. Pigment Blue 36	Yes		ACTIVE
0001328-53-6	C.I. Pigment Green 7	Yes		ACTIVE
0068859-25-6	C.I. Pigment Yellow 37	Yes		ACTIVE
0008007-18-9	C.I. Pigment Yellow 53	Yes		ACTIVE
0012656-57-4	Cadmium sulfoselenide orange	Yes	SP	ACTIVE
0058339-34-7	Cadmium sulfoselenide red	Yes		ACTIVE
NA	Natural Waxes	No		NA
0006358-30-1	Carbazole dioxazine violet	Yes		ACTIVE
0001308-38-9	Chrome oxide	Yes		ACTIVE
0010101-66-3	DIPHOSPHORIC ACID, AMMONIUM MANGANESE(3+) SALT (1:	Yes		ACTIVE
0001309-33-7	Iron hydroxide (Fe(OH)3)	Yes		ACTIVE
0051274-00-1	Iron hydroxide oxide yellow	Yes		ACTIVE
0001309-37-1	Iron oxide	Yes		ACTIVE
0008001-26-1	Linseed oil	Yes	UVCB	ACTIVE
0067746-08-1	Linseed oil, polymerized	Yes	UVCB XU	ACTIVE
0012001-26-2	MICA	Yes		ACTIVE
0001047-16-1	pigment Violet 19	Yes		ACTIVE
0000117-92-0	Quinolinium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-1-ethyl-, iodide	Yes		ACTIVE
0012713-03-0	Raw umber	Yes	UVCB	ACTIVE
0013463-67-7	Titanium dioxide	Yes		ACTIVE



0001314-13-2	Zinc oxide	Yes	ACTIVE
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EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

C.I. Pigment Blue 36

C.I. Pigment Yellow 53

Chrome oxide

DIPHOSPHORIC ACID, AMMONIUM MANGANESE(3+) SALT (1:

Zinc oxide

Proposition 65 - Carcinogens (>0.0%):

C.I. Pigment Blue 36

Chrome oxide

Proposition 65 - Developmental Toxins (>0.0%):

C.I. Pigment Blue 36

Chrome oxide

Proposition 65 - Female Repro Toxins (>0.0%):

C.I. Pigment Blue 36

Chrome oxide

Proposition 65 - Male Repro Toxins (>0.0%):

C.I. Pigment Blue 36

Chrome oxide

Proposition 65 Label Warning:



WARNING: This product can expose you to chemicals including [C.I. Pigment Blue 36, Chrome oxide], which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Section 16. Other information

Revision Date 06/18/2025

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.



H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

Disclaimer: The information presented herein is supplied as a guide to those who handles or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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