

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 8/2/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Rich Wood Waterborne Exterior Semi-Transparent Stain Clear Base

Product code : 84.3

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Richard's Paint 200 Paint Street Rocklege, FL, 32955 USA T 800-432-0983

1.4. Emergency telephone number

Emergency number : VelocityEHS (800) 255-3924 | VelocityEHS International (813) 248-0585

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin sensitisation, Category 1 H317 May cause an allergic skin reaction.

Hazardous to the aquatic environment – Acute Hazard, Category 2 H401 Toxic to aquatic life

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412 Harmful to aquatic life with long lasting effects.

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H317 - May cause an allergic skin reaction.

H401 - Toxic to aquatic life

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS US)

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

 ${\tt P280-Wear\ protective\ gloves/protective\ clothing/eye\ protection/face\ protection}.$

P302+P352 - If on skin: Wash with plenty of water.

P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

34.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

97.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

96.18% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	CAS-No.: 25265-77-4	< 5	Aquatic Acute 3, H402
ethylene glycol	CAS-No.: 107-21-1	< 5	Acute Tox. 4 (Inhalation:dust,mist), H332
distillates (petroleum), hydrotreated heavy paraffinic	CAS-No.: 64742-54-7	< 5	Carc. 1B, H350
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	CAS-No.: 41556-26-7	< 5	Flam. Liq. 4, H227 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
diuron	CAS-No.: 330-54-1	< 5	Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

: Do not attempt to take action without suitable protective equipment. Self-contained breathing Protection during firefighting

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing **Emergency procedures**

dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Take up liquid spill into absorbent material. Methods for cleaning up

Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing

dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

Hygiene measures Contaminated work clothing should not be allowed out of the workplace. Wash contaminated

clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands

after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Rich Wood Waterborne Exterior Semi-Transparent Stain Clear Base

No additional information available

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

No additional information available

diuron (330-54-1)

USA - ACGIH - Occupational Exposure Limits

Local name	Diuron	
ACGIH OEL TWA	10 mg/m³	
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)	
Regulatory reference	ACGIH 2023	

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

No additional information available

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)

No additional information available

ethylene glycol (107-21-1)

USA - ACGIH - Occupational Exposure Limits

Local name	Ethylene glycol	
ACGIH OEL TWA [ppm]	25 ppm (Vapor fraction)	
ACGIH OEL STEL	10 mg/m³ (Inhalable fraction, Aerosol only)	
ACGIH OEL STEL [ppm]	50 ppm (Vapor fraction)	
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)	
Regulatory reference	ACGIH 2023	

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:	
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Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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Personal protective equipment symbol(s):







SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Appearance : Liquid. Colour : milky

Odour : No data available
Odour threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available

Flash point : ≥ 200 °F

Relative evaporation rate (butylacetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapour pressure : No data available Relative vapour density at 20°C : No data available Relative density No data available Solubility : No data available Partition coefficient n-octanol/water (Log Pow) No data available Auto-ignition temperature No data available Decomposition temperature No data available Viscosity, kinematic No data available Viscosity, dynamic : No data available **Explosive limits** : No data available Explosive properties : No data available Oxidising properties : No data available

9.2. Other information

VOC content : < 100 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

1	1	.1	١.	Inf	forma	tion	on	toxico	logica	l effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

Rich Wood Waterborne Exterior Semi-Transparent Stain Clear Base		
Unknown acute toxicity (GHS US)	34.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)	
	97.22% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)	
	96.18% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation	
	(Dust/Mist))	

LD50 oral rat	> 2000 mg/kg (Rat, Literature study, Oral)		
diuron (330-54-1)			
LD50 oral rat	4150 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Female, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	> 5000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))		
LD50 dermal rabbit	> 5000 mg/kg Source: ECHA		
LC50 Inhalation - Rat	> 5.05 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))		

> 5.05 mg/l Source: ECHA

4150 mg/kg bodyweight

2 4 trimoth	yl-1,3-pentanedio	monoicobutur	ata (25265 77 A)
2 .4-u iiileu	vi-1.3-belitalieulo	HIOHOISODULVI	ale (20200-//-4)

LD50 oral rat	3200 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 15200 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat (Vapours)	> 4.4375 mg/l Source: IUCLID
ATE US (oral)	3200 mg/kg bodyweight

ethylene glycol (107-21-1)

LC50 Inhalation - Rat (Dust/Mist)

LD50 oral rat	7712 mg/kg bodyweight (according to BASF-internal standards, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s))
LD50 dermal	> 3500 mg/kg bodyweight (Mouse, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat	> 2.5 mg/l (6 h, Rat, Male / female, Experimental value, Inhalation (aerosol))
ATE US (oral)	7712 mg/kg bodyweight
ATE US (dust,mist)	1.5 mg/l/4h
Skin corrosion/irritation :	Not classified

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bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)			
pH	No data available in the literature		
<u>'</u>			
diuron (330-54-1)			
рН	7 (aqueous suspension, 1 %)		
ethylene glycol (107-21-1)			
рН	No data available in the literature		
Serious eye damage/irritation :	Not classified		
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebaca	te (41556-26-7)		
рН	No data available in the literature		
diuron (330-54-1)			
рН	7 (aqueous suspension, 1 %)		
ethylene glycol (107-21-1)			
рН	No data available in the literature		
Respiratory or skin sensitisation :	May cause an allergic skin reaction.		
Germ cell mutagenicity :	Not classified		
Carcinogenicity :	Not classified.		
Reproductive toxicity :	Not classified		
STOT-single exposure :	Not classified		
STOT-repeated exposure :	Not classified		
diuron (330-54-1)			
NOAEL (dermal, rat/rabbit, 90 days)	250 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Derma Toxicity: 21/28-Day Study)		
	Not classified		
, ,	No data available		
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebaca	te (41556-26-7)		
Viscosity, kinematic	No data available in the literature		
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)			
Viscosity, kinematic	13.579 mm²/s		
ethylene glycol (107-21-1)			
Viscosity, kinematic	18.86 mm²/s (20 °C)		
Symptoms/effects after skin contact :	May cause an allergic skin reaction.		

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
	0.97 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	20 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Experimental value)

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bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
EC50 96h - Algae [1]	0.017 mg/l Source: Ecological Structure Activity Relationships
diuron (330-54-1)	
LC50 - Fish [1]	14.7 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	1.4 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h - Algae [1]	22 μg/l (OECD 201: Alga, Growth Inhibition Test, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	0.022 mg/l Source: EHCA
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
LC50 - Fish [1]	30 mg/l (96 h, Pimephales promelas, Fresh water)
EC50 - Crustacea [1]	147.8 mg/l (48 h, Daphnia sp.)
LC50 - Fish [2]	> 19 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 72h - Algae [1]	18.4 mg/l (Selenastrum capricornutum, Growth)
ethylene glycol (107-21-1)	
LC50 - Fish [1]	> 72860 mg/l (EPA 600/4-90/027, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, Daphnia magna, Static system. Fresh water, Experimental value)
EC50 96h - Algae [1]	6500 – 13000 mg/l Source: ECHA
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'

12.2. Persistence and degradability

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)		
resistence and degradability Not readily biodegradable in water.		
diuron (330-54-1)		
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.	
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)		
Persistence and degradability	Readily biodegradable in water.	
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance	
ThOD	2.4 g O ₂ /g substance	
ethylene glycol (107-21-1)		
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.47 g O ₂ /g substance	
Chemical oxygen demand (COD)	1.24 g O ₂ /g substance	
ThOD	1.29 g O ₂ /g substance	

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12.3. Bioaccumulative potential

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)		
Partition coefficient n-octanol/water (Log Pow)	0.37 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
diuron (330-54-1)		
BCF - Fish [1]	< 14 (Cyprinus carpio, Chronic)	
BCF - Fish [2]	174 – 305 (Pisces)	
BCF - Other aquatic organisms [1]	5.2 (OECD 305: Bioconcentration: Flow-Through Fish Test, 42 day(s), Mytilus edulis, Flow-through system, Salt water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	2.68 – 2.96	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)		
Partition coefficient n-octanol/water (Log Pow)	3.47 (Experimental value)	
ethylene glycol (107-21-1)		
Partition coefficient n-octanol/water (Log Pow)	-1.36 (Experimental value)	
Bioaccumulative potential	Not bioaccumulative.	

12.4. Mobility in soil

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5.311 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Adsorbs into the soil.
diuron (330-54-1)	
Surface tension	72.1 mN/m (20 °C, Aqueous solution, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	Low potential for adsorption in soil.
ethylene glycol (107-21-1)	
Mobility in soil	0.2 Source: HSDB
Surface tension	48.4 mN/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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SECTION 14: Transport information

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Not applicable	Not applicable	Not applicable
No supplementary information available		

14.6. Special precautions for user

DOT

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

ammonium hydroxide, 25%≤conc<35%, aqueous solutions	CAS-No. 1336-21-6	< 5%
ethylene glycol	CAS-No. 107-21-1	< 5%

diuron (330-54-1)	
CERCLA RQ	100 lb

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ethylene glycol (107-21-1)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 5000 lb

15.2. International regulations

CANADA

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Listed on the Canadian DSL (Domestic Substances List)

diuron (330-54-1)

Listed on the Canadian DSL (Domestic Substances List)

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)

Listed on the Canadian DSL (Domestic Substances List)

ethylene glycol (107-21-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

diuron (330-54-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

ethylene glycol (107-21-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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15.3. US State regulations



This product can expose you to Diuron, which is known to the State of California to cause cancer, and Ethylene glycol (ingested), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

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Full text of H-statements	
H227	Combustible liquid
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H350	May cause cancer.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.