

Date of issue: Revision date: 04/07/2020 Supersedes: n/a Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Liquid mixture / Water-based acrylic coating
Product name. Reflex W-200
Product code 17-RW2-5 & 17-RW2-55
Type of product Top coating

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

1.2.1. Relevant identified uses

Main use category Industrial use / Professional use
Industrial/Professional use spec Wide dispersive use
Use of the substance/mixture Coating

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Neptune Coatings Inc
4260 Wagon Trail Avenue
Las Vegas, NV 89118 USA
T +1 (702) 410 5500 - F +1 (702) 410 5889
info@neptunecoatings.com

Informations : +1 702 751 0460 & Neptune Coatings working days +1 702 410 5500 9 AM to 5PM

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency Number
United States	Neptune Coatings Emergency number (English Speaking)	Las Vegas NV	+1 702 605 3881
United Kingdom	Neptune Coatings Emergency number (English Speaking)	London	+44 203239 7225
United States	National Capital Poison Center		+ 1 800 222 1222
United Kingdom	NPIS Edinburgh (Scottish Poisons Information Bureau) Royal Infirmary of Edinburgh	51 Little France Crescent EH16 4SA Edinburgh	0844 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
Belgique	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245
France	Centre Antipoison Hôpital Edouard Herriot	5 Place d'Arsonval F-69437 Lyon Cedex 03	+33 4 72 11 69 11
Nederland	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht	+31 30 274 88 88

Neptune Coatings Corporation.

4260 Wagon Trail Avenue ■ Las Vegas ■ NV 89118 ■ USA

Tel. +1 (702) 410-5500 ■ Fax + 1 (702) 410-5889 ■ info@neptunecoatings.com ■

version 1.0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixture/Substance: SDS EU 2015: According to Annex II of Regulation (EC) No. 453/2010 (REACH Annex II)

Carcinogenicity: Category 1A H350

Full text of classification categories and H statement: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP)	:	
Signal word (CLP)	:	Danger
Hazardous ingredients	:	
Hazard statements (CLP)	:	H350: May cause cancer
Precautionary statements (CLP)	:	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P264 - Wash hands thoroughly after handling P281 - Use personal protective equipment as required P308+P313 - IF exposed or concerned: get medical advice /attention P405 - Store locked up P501 - Dispose of content and container in accordance with existing federal, state and local environmental control laws

2.3. Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 30%

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier	%
Limestone	(CAS No) 1317-65-3	10-50%
Titanium Dioxide (Rutile)	(CAS No) 13463-67-7	1-15%
Zinc Oxyde	(CAS No) 1314-13-2	<5%
Aluminum hydroxide	(CAS No) 21645-51-2	<15%
Amonia	(CAS No) 11336-21-6	<1%
Christalline Quartz Sillica	(CAS No) 14808-60-7	<1%
Biocide - Withheld as trade secret	(CAS No) proprietary	<1%
Kaolin	(CAS No) 1332-58-7	<1%

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

3.2. Mixture

No information available

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	Remove the victim into fresh air. Consult a doctor/medical service if you feel unwell.
First-aid measures after skin contact	Wash immediately with lots of water. Wash with water and soap
First-aid measures after eye contact	Rinse immediately with plenty of water for 15 minutes. Keep eye wide open while rinsing. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	Rinse mouth with water. Do not induce vomiting. Immediately consult a doctor/medical service.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	No data available
Symptoms/injuries after skin contact	May cause allergic skin reaction with symptoms of reddening, itching, swelling, and rash.
Symptoms/injuries after eye contact	Causes serious eye irritation with symptoms of reddening, tearing, swelling, and burning
Symptoms/injuries after ingestion	No data available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	All extinguishing media are suitable
Unsuitable extinguishing media	No data available

5.2. Special hazards arising from the substance or mixture

Fire hazard	Material presenting a minor fire hazard.
Explosion hazard	Heat may cause pressure rise with explosion risk.
Hazardous decomposition products in case of fire	By Thermal Decomposition: carbon monoxide, carbon dioxide, Acrylic monomers, other potentially toxic fumes

5.3. Advice for firefighters

Precautionary measures fire	Exposure to fire/heat: keep upwind.
Protection during firefighting	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Ventilate enclosed areas. Ventilate closed spaces before entering.
------------------	---

6.1.1. For non-emergency personnel

Protective equipment	Gloves. Safety glasses. Wear appropriate personal protective equipment during cleanup.
----------------------	--

6.1.2. For emergency responders

Protective equipment	Equip cleanup crew with proper protection.
----------------------	--

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	<p>Dam up the liquid spill. Do not touch or walk through spilled material.</p> <p>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.</p> <p>Large Spills: Dam ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Surfaces may become slippery after spillage.</p>
Methods for cleaning up	Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	None under normal use.
Precautions for safe handling	Avoid contact with skin, eye and clothing. As with all chemicals, good industrial hygiene practices should be followed when handling this material. No special measures necessary provided product is used correctly
Hygiene measures	Do no eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep in a ventilated place. Protect against frost. Keep the container tightly closed Avoid excessive heat.
Incompatible products	No information available
Storage temperature	1 - 49°C / 33.8 - 120.2°F
Packaging materials	Stainless steel. Glass. Plastics.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Personal protective equipment	Gloves. Safety glasses.
Hand protection	Gloves. NBR (Nitrile rubber).
Eye protection	Safety glasses
Respiratory protection	Under normal conditions, respirator is not normally required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn. Provide for sufficient ventilation and suction at critical points. When spraying: Gas mask with filter type A



8.2. Exposure controls

Limestone

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m3 respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m3 total dust

Titanium Dioxide

Long-term Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m3

A4

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m3 total dust

Zinc oxide

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m3 fume

Neptune Coatings Corporation.

4260 Wagon Trail Avenue ■ Las Vegas ■ NV 89118 ■ USA

Tel. +1 (702) 410-5500 ■ Fax +1 (702) 410-5889 ■ info@neptunecoatings.com ■

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m3 total dust
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m3 respirable fraction
Short-term exposure limit (15-minute): ACGIH 10 mg/m3 respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m3 respirable fraction

Aluminum hydroxide

Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m3

A4

Quartz (SiO2)

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m3

A2

Ammonia

Long-term exposure limit (8-hour TWA): ACGIH 25 ppm 17 mg/m3

Short-term exposure limit (15-minute): ACGIH 35 ppm 24 mg/m3

Long-term exposure limit (8-hour TWA): OSHA 50 ppm 35 mg/m3

Biocide - withheld as TRADE SECRET

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m3

A4

Kaolin

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m3 respirable fraction

A4

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m3 respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m3 total dust

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.
A2 = Suspected Human Carcinogen.

Titanium Dioxide (CAS: 13463-67-7)

Immediate danger to life and health 5000 mg/m3

Zinc oxide (CAS: 1314-13-2)

Immediate danger to life and health 500 mg/m3

Silicon dioxide (CAS: 7631-86-9)

Immediate danger to life and health 3000 mg/m3 3000 mg/m3

Quartz (SiO2) (CAS: 14808-60-7)

Immediate danger to life and health 50 mg/m3 25 mg/m3

Ammonia (CAS: 1336-21-6)

Immediate danger to life and health 300 ppm

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Slightly viscous mixture
Colour	Various
Odour	Mild, Amine
Odour threshold	No data available
pH	No data available
pH solution	Alkaline Solution
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	0°C / 32°F similar to water
Boiling point	100°C / 212°F Similar to water

Neptune Coatings Corporation.

4260 Wagon Trail Avenue ■ Las Vegas ■ NV 89118 ■ USA

Tel. +1 (702) 410-5500 ■ Fax +1 (702) 410-5889 ■ info@neptunecoatings.com ■

Flash point	Not applicable
Self ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	17 mmHg @ 20°C (68°F) similar to water
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.5
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosion limits	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous polymerization does not occur.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

By Thermal Decomposition: carbon monoxide, carbon dioxide, Acrylic monomers, other potentially toxic fumes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Toxicity Data for Titanium dioxide (Rutile)

Acute oral toxicity LD50: Based on available data the classification criteria are not met.

Acute inhalation toxicity Based on available data the classification criteria are not met

Acute dermal toxicity Based on available data the classification criteria are not met

Neptune Coatings Corporation.

4260 Wagon Trail Avenue ■ Las Vegas ■ NV 89118 ■ USA

Tel. +1 (702) 410-5500 ■ Fax + 1 (702) 410-5889 ■ info@neptunecoatings.com ■

Skin irritation	Based on available data the classification criteria are not met
Eye irritation	Based on available data the classification criteria are not met
Sensitization	Based on available data the classification criteria are not met
	The product contains a small amount of sensitizing substance.
Skin sensitization	May cause skin sensitization or allergic reactions in sensitive individuals
	Based on available data the classification criteria are not met
	The product contains a small amount of sensitizing substance.
	May cause skin sensitization or allergic reactions in sensitive individuals
Repeated dose toxicity	Based on available data the classification criteria are not met
Mutagenicity	
Genetic toxicity in vitro:	Based on available data the classification criteria are not met
Genetic toxicity in vivo:	Based on available data the classification criteria are not met
Cytogenetic assay:	Based on available data the classification criteria are not met
Carcinogenicity	May cause cancer.
IARC carcinogenicity	Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.
NTP carcinogenicity	Contains: Silica, Crystalline (Respirable Size) Known human carcinogen.
Reproductive toxicity	
Reproductive toxicity - Fertility	Based on available data the classification criteria are not met
Reproductive toxicity - development	Based on available data the classification criteria are not met
Specific organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met
General information	May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
Skin Contact	Prolonged contact may cause dryness of the skin. Discoloration of the skin.
Eye contact	May cause temporary eye irritation
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.

SECTION 12: Ecological information

Toxicity	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
Persistence and degradability	The degradability of the product is not known.
Bio-Accumulative Potential	No data available on bioaccumulation.
Partition coefficient	Not available.
Mobility in soil	No data available.
Other adverse effects	None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (Waste)	Disposal must be done according to official regulations.
Sewage disposal recommendations	Avoid any discharge of the product into waste water. Do not discharge into drains, surface waters or ground waters. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility

solely of the generator.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA
DOT Proper shipping name This product is not regulated by DOT, IMO or IATA.

14.1. UN number

Not regulated for transport

UN-No. (ADR)	Not applicable
UN-No. (IMDG)	UN3082
UN-No.(IATA)	UN3082
UN-No.(ADN)	Not applicable
UN-No. (RID)	Not applicable
Proper shipping name (ADR)	Not applicable
Proper shipping name (IMDG)	Not applicable
Proper shipping name (IATA)	Not applicable
Proper shipping name (ADN)	Not applicable
Proper shipping name (RID)	Not applicable
Transport document description (ADR)	Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: No information available
Danger labels (ADR)	: No information available

IMDG

Transport hazard class(es) (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Chlorothalonil). Class 9, Packaging group III
-----------------------------------	---

IATA

Transport hazard class(es) (IATA)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Chlorothalonil). Class 9, Packaging group III
-----------------------------------	---

ADN

Transport hazard class(es) (ADN)	: Not applicable
----------------------------------	------------------

RID

Transport hazard class(es) (RID)	: Not applicable
----------------------------------	------------------

14.4. Packing group

Packing group (ADR)	No information available
Packing group (IMDG)	III
Packing group (IATA)	III
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.5. Environmental hazards

Dangerous for the environment	No supplementary information available
Marine pollutant	No supplementary information available
Other information	No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	No information available
Special provision (ADR)	No information available
Limited quantities (ADR)	No information available
Excepted quantities (ADR)	No information available
Packing instructions (ADR)	No information available
Special packing provisions (ADR)	No information available
Mixed packing provisions (ADR)	No information available
Portable tank and bulk container instructions (ADR)	No information available
Portable tank and bulk container special provisions (ADR)	No information available
Tank code (ADR)	No information available
Vehicle for tank carriage	No information available
Transport category (ADR)	No information available
Special provisions for carriage - Packages (ADR)	No information available
Special provisions for carriage - Loading and unloading (ADR)	No information available
Hazard identification number (Kemler No.)	No information available
Orange plates	No information available

Tunnel restriction code (ADR) No information available

EAC code No information available

- Transport by sea

MFAG-No No information available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) No information available

Not subject to ADN No

- Rail transport

Carriage prohibited (RID) No

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

15.1.1. EU-Regulations

No additional information available

15.1.2. US Federal regulations

Registration status: TSCA, US released / listed
 OSHA Hazard category: Not hazardous
 SARA Hazard Categories (EPCRA 311/312) : Acute Health Hazard Chronic Health Hazard

15.1.4. Canada

No additional information available

15.1.4. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes:

Classification according to Regulation (EC) No. 1272/2008 [CLP].

SDS (REACH Annex II)

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

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be held liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.