

Safety Data Sheet

Printing date 04/08/2015

Version Number 1.0

Reviewed on 04/08/2015

1 Identification

Product identifier

Trade name: Perm-A-Barrier VPL & Perm-A-Barrier VPL LT Part A

SDS ID Number: 2253

Relevant identified uses of the substance or mixture and uses advised against
Specialty construction product. Not intended for other uses

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

W.R. Grace & Co. -Conn.
62 Whittemore Avenue
Cambridge, MA 02140 USA

Grace Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with additional nonhazardous ingredients.

Hazardous components:

	Proprietary Polymer - NJTS-50338	20-25%
	Proprietary Additive - NJTS-50573	1.0-2.0%
1336-21-6	Ammonium hydroxide	0.1-1.0%
108-05-4	vinyl acetate	0.1-1.0%

Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazard(s) identification

Classification of the substance or mixture

Suspected of causing cancer.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

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

(Cont. on page 2)

USGHS

Safety Data Sheet

Printing date 04/08/2015

Version Number 1.0

Reviewed on 04/08/2015

Trade name: *Perm-A-Barrier VPL & Perm-A-Barrier VPL LT Part A*

(Cont. from page 1)

Hazard pictograms



GHS07 GHS08

Warning

Hazard-determining components of labeling:

Proprietary Polymer - NJTS-50338

Proprietary Additive - NJTS-50573

Precautionary statements

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If on skin: Wash with plenty of water.

If eye irritation persists: Get medical advice/attention.

If swallowed: Call a poison center/doctor if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If skin irritation occurs: Get medical advice/attention.

NFPA ratings (scale 0 - 4)

Health = 2

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = *2

Flammability = 1

Reactivity = 0

4 First-aid measures

General information: Get medical advice/attention if you feel unwell.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

After eye contact:

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

After swallowing:

Wash out mouth with water

Do not induce vomiting; immediately call for medical help.

Never give anything by mouth to an unconscious person.

USGHS

(Cont. on page 3)

Safety Data Sheet

Printing date 04/08/2015

Version Number 1.0

Reviewed on 04/08/2015

Trade name: *Perm-A-Barrier VPL & Perm-A-Barrier VPL LT Part A*

(Cont. from page 2)

5 Fire-fighting measures**Special hazards arising from the substance or mixture** No further relevant information available.**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

Dispose contaminated material as waste according to section 13 of the SDS.

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.

7 Handling and storage**Handling:****Precautions for safe handling**

Open and handle receptacle with care.

Prevent formation of aerosols.

Avoid contact with skin.

Avoid contact with eyes.

Information about protection against explosions and fires: Keep respiratory protective device available.**Storage:****Information about storage in one common storage facility:** Keep respiratory protective device available.**Further information about storage conditions:** Keep receptacle tightly sealed.**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 item 7.**Components with limit values that require monitoring at the workplace:****108-05-4 vinyl acetate**REL (USA) Ceiling limit value: 15* mg/m³, 4* ppm
*15-minTLV (USA) Short-term value: 53 mg/m³, 15 ppm
Long-term value: 35 mg/m³, 10 ppm

(Cont. on page 4)

USGHS

Safety Data Sheet

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Version Number 1.0

Reviewed on 04/08/2015

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(Cont. from page 3)

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

Personal protective equipment:

General protective and hygienic measures:

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

Store protective clothing separately.

Breathing equipment:

Respiratory protection is not normally required. If a vapor or mist is created, use an approved dust/mist respirator (NIOSH N95).

Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Eye protection:



Safety glasses with side shield protection.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.



A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Protective work clothing

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

9 Physical and chemical properties

General Information

Appearance:

Form:

Liquid

Color:

According to product specification

Odor:

Characteristic

Odour threshold:

Not determined.

pH-value (~) at 20 °C (68 °F):

4

Change in condition

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

Undetermined.

Flash point:

>200 °C (>392 °F)

Flammability (solid, gaseous):

Not applicable.

Decomposition temperature:

Not determined.

(Cont. on page 5)

USGHS

Safety Data Sheet

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Version Number 1.0

Reviewed on 04/08/2015

Trade name: *Perm-A-Barrier VPL & Perm-A-Barrier VPL LT Part A*

(Cont. from page 4)

Auto igniting: Product is not selfigniting.
Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.
VOC Content (max): Not determined.

Vapor pressure: Not determined.
Density: (~) at 20 °C (68 °F) 1.4 g/cm³ (11.683 lbs/gal)
Relative density Not determined.
Vapour density Not determined.
Evaporation rate Not determined.

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

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

Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.
Molecular weight Not applicable.

Other information No further relevant information available.

10 Stability and reactivity

Thermal decomposition: No decomposition if used according to specifications.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Additional information: See section 7 for information on handling, storage and conditions to be avoided.

11 Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

1336-21-6 Ammonium hydroxide

Dermal	LD50	350 mg/kg (rat)
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108-05-4 vinyl acetate

Dermal	LD50	2920 mg/kg (rat)
		2335 mg/kg (rabbit)

Primary irritant effect:

on the skin: Causes skin irritation.

on the eye: Causes serious eye irritation.

inhalation: May cause respiratory irritation.

Ingestion: Harmful if swallowed.

Sensitization: Sensitization possible through skin contact.

(Cont. on page 6)

USGHS

Safety Data Sheet

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Trade name: *Perm-A-Barrier VPL & Perm-A-Barrier VPL LT Part A*

(Cont. from page 5)

Additional toxicological information: Carcinogenic.**Carcinogenic categories****IARC (International Agency for Research on Cancer) Human Carcinogenicity:**
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

13463-67-7	Titanium dioxide	2B
108-05-4	vinyl acetate	2B

NTP (National Toxicology Program)**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**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.**Additional ecological information:****General notes:** Not known to be hazardous to water.**13 Disposal considerations****Waste treatment methods** Comply with Federal, State and local regulations.**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.**14 Transport information****UN-Number**

DOT, ADR, ADN, IMDG, IATA Not applicable.

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Not applicable.

Transport hazard class(es)DOT, ADR, ADN, IMDG, IATA
Class Not applicable.

(Cont. on page 7)

USGHS

Safety Data Sheet

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Version Number 1.0

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(Cont. from page 6)

Packing group
DOT, ADR, IMDG, IATA Not applicable.

Environmental hazards:
Marine pollutant: No

Special precautions for user Not applicable.

Transport/Additional information: Not classified as a dangerous good for transport by road, rail or air.

DOT
Remarks: Not Regulated.

UN "Model Regulation": -

15 Regulatory information

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):

108-05-4 | vinyl acetate

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

None of the ingredients is listed.

SARA Section 312/Tier I & II Hazard Categories:

Health Immediate (acute)	Yes
Health Delayed (chronic)	No
Flammable	No
Reactive	No
Pressure	No

North America Chemical Inventory Status

TSCA (Toxic Substances Control Act - United States):

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure

21645-51-2 | Aluminium hydroxide

1302-78-9 | Sodium bentonite

13463-67-7 | Titanium dioxide

9004-62-0 | Hydroxyethylcellulose

7732-18-5 | Water

California Proposition 65

Chemicals known to cause cancer:

Titanium dioxide

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.

(Cont. on page 8)

USGHS

Safety Data Sheet

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(Cont. from page 7)

Carcinogenicity Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)**Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**

Titanium dioxide

A4

NIOSH-Cancer (National Institute for Occupational Safety and Health)

13463-67-7 | Titanium dioxide

Volatile Organic Compounds (VOC) reported per the Emission Standards. <30 g/l**Information about limitation of use:**Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
Exceptions can be made by the authorities in certain cases.**16 Other information**

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."

Date of preparation / last revision 04/08/2015 / -**The first date of preparation** 08/15/2014**Number of revision times and the latest revision date** 1.0 / 04/08/2015

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