

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**1 Identification****Product identifier**

Trade name: **PREPRUFE®**, **PREPRUFE® WATERPROOFING MEMBRANES**, **PREPRUFE® TAPES**

MSDS ID Number: M-85966

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

No further relevant information available.

**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 nonhazardous additions.

**Hazardous components:**

64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	10-20%
68478-07-9	Hydrocarbon Resin	50-100%

**3 Hazard(s) identification****Safety phrases:**

Do not breathe gas/fumes/vapor/spray.  
Do not breathe fumes.  
Avoid contact with skin and eyes.  
Take off immediately all contaminated clothing.  
Wear suitable gloves.

**Inhalation:** Not expected to cause respiratory irritation.

**Eye Contact:** May be slightly irritating to the eyes.

(Cont. on page 2)

USA

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**Trade name:** *PREPRUFE®*, *PREPRUFE® WATERPROOFING MEMBRANES*, *PREPRUFE® TAPES*

(Cont. from page 1)

**Skin Contact:** May be irritating to the skin on prolonged contact.

**Skin Absorption:** Not expected to be harmful if absorbed through the skin.

**NFPA ratings (scale 0 - 4)**



**HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Flammability = 1
REACTIVITY	0	Reactivity = 0

#### \* 4 First-aid measures

**After inhalation:**

Take affected persons into fresh air and keep quiet.

Seek immediate medical advice.

**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.

Seek immediate medical advice.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

**After swallowing:** Do not induce vomiting; immediately call for medical help.

#### 5 Fire-fighting measures

**Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

USA  
(Cont. on page 3)

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**Trade name:** *PREPRUFE®*, *PREPRUFE® WATERPROOFING MEMBRANES*, *PREPRUFE® TAPES*

(Cont. from page 2)

### 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

#### Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

#### 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.

**Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

#### Handling:

##### Precautions for safe handling

Open and handle receptacle with care.

Store in original containers.

##### Information about protection against explosions and fires:

Empty containers may retain hazardous residue, both liquid and vapor.

#### Storage:

**Information about storage in one common storage facility:** No special measures required.

##### Further information about storage conditions:

Protect from frost.

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 item 7.

#### Components with limit values that require monitoring at the workplace:

##### 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic

PEL	Short-term value: 2000 mg/m <sup>3</sup> , 500 ppm Mist
TWA	1600 mg/m <sup>3</sup> , 400 ppm Mist

(Cont. on page 4)

USA

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**Trade name:** *PREPRUFE®*, *PREPRUFE® WATERPROOFING MEMBRANES*, *PREPRUFE® TAPES*

(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.

**Breathing equipment:** Not necessary if room is well-ventilated.

**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.

**Penetration time of glove material**

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

**Eye protection:**

Safety glasses

Face 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.

**Body protection:** Protective work clothing

## 9 Physical and chemical properties

### General Information

**Appearance:**

**Form:** Solid  
**Color:** According to product specification  
**Odor:** Characteristic

### Change in condition

**Melting point/Melting range:** Undetermined.  
**Flash point:** Not applicable.  
**Auto igniting:** Product is not selfigniting.  
**Danger of explosion:** Product does not present an explosion hazard.  
**Density: (~) at 20 °C (68 °F)** ~1 g/cm<sup>3</sup> (~8.345 lbs/gal)

### Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix.

### Other information

No further relevant information available.

## 10 Stability and reactivity

**Thermal decomposition:** No decomposition if used according to specifications.

(Cont. on page 5)

USA

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**Trade name:** *PREPRUFE®*, *PREPRUFE® WATERPROOFING MEMBRANES*, *PREPRUFE® TAPES*

(Cont. from page 4)

**Possibility of hazardous reactions** No dangerous reactions known.

**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:

#### Primary irritant effect:

**on the skin:** May be irritating to the skin on prolonged contact

**on the eye:** May be irritating to the eyes.

#### Additional Toxicological Information:

The product is not subject to classification according to internally approved calculation methods for preparations:

#### IARC (International Agency for Research on Cancer) Human Carcinogenicity:

**Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable**

None of the ingredients is listed.

#### NTP (National Toxicology Program)

**K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic**

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:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

## 13 Disposal considerations

**Waste treatment methods** Comply with Federal, State and local regulations.

(Cont. on page 6)

USA

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**Trade name:** *PREPRUFE®*, *PREPRUFE® WATERPROOFING MEMBRANES*, *PREPRUFE® TAPES*

(Cont. from page 5)

**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.\* **14 Transport information****UN-Number**

DOT, ADR, IMDG, IATA

Not applicable.

**UN proper shipping name**

DOT, ADR, IMDG, IATA

Not applicable.

**Transport hazard class(es)**

DOT, IATA

Class

Not applicable.

ADR, ADN, IMDG

Class

Not applicable.

-

**Packing group**

DOT, ADR, IMDG, IATA

Not applicable.

**Environmental hazards:**

Marine pollutant:

No

**Special precautions for user**

Not applicable.

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

Not applicable.

\* **15 Regulatory information****SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

**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)	No
Health Delayed (chronic)	No
Flammable	No
Reactive	No
Pressure	No

(Cont. on page 7)

USA

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**Trade name: *PREPRUFE®*, *PREPRUFE® WATERPROOFING MEMBRANES*, *PREPRUFE® TAPES***

(Cont. from page 6)

**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.

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

None of the ingredients is listed.

**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.

**WHMIS Classification(s):**

Not Regulated.

**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**

None of the ingredients is listed.

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

None of the ingredients is listed.

**OSHA-Cancer (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**European EINECS**

All ingredients are listed.

**Philippines Inventory of Chemicals and Chemical Substances PICCS**

All ingredients are listed.

**Inventory of Existing Chemical Substances manufactured or imported in China IECSC**

All ingredients are listed.

**Australian Inventory of Chemical Substances AICS**

All ingredients are listed.

**Japan Existing and New Chemical Substance List ENCS**

All ingredients are listed.

(Cont. on page 8)

USA

## Material Safety Data Sheet

Printing date 01/15/2015

Version Number 1.1

Reviewed on 01/15/2015

**Trade name: *PREPRUFE®*, *PREPRUFE® WATERPROOFING MEMBRANES*, *PREPRUFE® TAPES***

(Cont. from page 7)

**Korean Existing Chemical Inventory**

All ingredients are listed.

**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."

**Department issuing MSDS:****Other Information:**

PREPRUFE® 160 WATERPROOFING MEMBRANE, PREPRUFE® CJ TAPE LT, PREPRUFE® 160R WATERPROOFING MEMBRANE, PREPRUFE® CJ TAPE HC, PREPRUFE® 200 WATERPROOFING MEMBRANE, PREPRUFE® TAPE, PREPRUFE® 300 WATERPROOFING MEMBRANE, PREPRUFE® TAPELT, PREPRUFE® 300R WATERPROOFING MEMBRANE, PREPRUFE® TAPE HC, BITUSTIK® TAPE, Preprufe®Flex, PREPRUFE® 400T, PREPRUFE® 160R Plus, Preprufe® 300 LT Plus, Preprufe® 160 LT Plus, Preprufe Detail Tape LT Grade, Preprufe Plus Low Temperature

**Contact:**

Date of preparation / last revision 01/15/2015 / 2.0

The first date of preparation 06/20/2011

USA