# GRACE

# **Material Safety Data Sheet**

Page 1/9

Printing date 02/27/2014

Version Number 1.5

Reviewed on 02/27/2014

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

# **Product identifier**

Trade name: <u>Waterproofing Memb</u>rane

MSDS ID Number: M-85937

# 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

# **Other Country Contact Information:**

For products distributed beyond the country Manufacturer/Supplier identified above Consult Section 16 for additional emergency contact information.

## Information department:

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

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:		
8052-42-4	Asphalt	50-100%
64742-04-7	Extracts (petroleum), heavy paraffinic distillate solvent	20-25%

# 3 Hazards identification

**Information concerning hazards for human and environment:** May cause cancer.

## Safety phrases:

Avoid exposure - obtain special instructions before use. When using do not eat or drink. Wear suitable protective clothing. In case of accident or if you feel unwell, seek medical advice immediately.

(Cont. on page 2)

USA =

Version Number 1.5

Reviewed on 02/27/2014

(Cont. from page 1)

# Trade name: Waterproofing Membrane

See Section 13 for disposal information.

Hazard description: Harmful

Eye Contact: Causes eye irritation.

Skin Contact:

Causes skin irritation.

Skin absorption of residue from adhesive may be harmful and may produce local skin tumors. **Skin Absorption:** Harmful if absorbed through the skin.

NFPA ratings (scale 0 - 4)

 $\frac{1}{2} \frac{1}{0}$  Health = 2 Fire = 1 Reactivity = 0

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

HEALTH\*2Health = \*2FIRE1Flammability = 1REACTIVITY 0Reactivity = 0

Other hazards Contact with residue from adhesive may cause eye and skin irritation.

## 4 First aid measures

## After inhalation:

Adverse effects are not likely. If symptoms develop, get fresh air. If symptoms persist, consult a physician. If breathing has stopped, give artificial respiration then oxygen if needed.

### After skin contact:

If skin irritation continues, consult a doctor.

If residue remains, clean with waterless handcream or abrasive soap. Never use solvents.

#### After eye contact:

If contact with residue causes eye irritation, flush eyes with water for at least 15 minutes while holding eyelids open.

Seek immediate medical advice.

After swallowing: Due to physical nature of this product, ingestion is not likely.

# 5 Firefighting measures

## Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

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.

(Cont. on page 3)

# Material Safety Data Sheet

Printing date 02/27/2014

Version Number 1.5

Reviewed on 02/27/2014

## Trade name: Waterproofing Membrane

(Cont. from page 2)

# 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:

Pick up mechanically.

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

#### **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

Membrane is slippery when wet or covered with frost.

Avoid eye and skin contact with residue from adhesive.

Release liners are slippery. Remove from work area immediately after membrane application.

To avoid skin contact, use gloves. Clean hands after contact with adhesive residue.

Release liners may cause slip and trip hazards.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

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

Removal of release liner may generate a static electrical discharge (spark).

#### Storage:

Further information about storage conditions:

**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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

(Cont. on page 4)

USA -

#### Version Number 1.5

Reviewed on 02/27/2014

## Trade name: Waterproofing Membrane

(Cont. from page 3)

# Personal protective equipment:

General protective and hygienic measures: Avoid contact with the eyes and skin.

#### **Breathing equipment:**

Respiratory protection is not normally required. If exposures exceed PELs use a NIOSH approved organic vapor respirator.

### **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 impermeable and resistant to the product. Selection of material should be considered before use.

Eye protection: Not required.

Body protection: Protective work clothing

# 9 Physical and chemical properties

General Information		
Appearance:		
Form:	Solid	
Color:	According to product specification	
Odor:	Characteristic	
Odour threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not determined.	
Decomposition temperature:	Not determined.	
Auto igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
<b>VOC Content (max):</b>	Not determined.	
Vapor pressure:	Not applicable.	
Density at 20°C (68 °F):	~1.1 LBS/CF	
Vapour density	Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water:	Insoluble.	
		(Cont. on page 5)

Version Number 1.5

Reviewed on 02/27/2014

# Trade name: Waterproofing Membrane

	(Cont. from page 4)			
Segregation coefficient (n-octonol/water): Not determined.				
Viscosity:				
Dynamic:	Not applicable.			
Kinematic:	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

Hydrogen sulfide

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

## 11 Toxicological information

Additional toxicological information: Carcinogenic.

# 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: Slightly hazardous for water

# 13 Disposal considerations

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

(Cont. on page 6)

Version Number 1.5

Reviewed on 02/27/2014

(Cont. from page 5)

# Trade name: Waterproofing Membrane

## **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.
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 MARPOL73/78 and the IBC Code	II of Not applicable.
Transport/Additional information:	
DOT Remarks:	Not Regulated.
ADR Remarks:	Not Regulated
ADN Remarks:	Not regulated
IATA Remarks:	Not Regulated.

(Cont. on page 7)

Version Number 1.5

Reviewed on 02/27/2014

threshold are exempt):

# Trade name: Waterproofing Membrane

(Cont. from page 6)

Section 302/304 (extremely hazar	dous substances):
None of the ingredients is listed.	
Section 313 Reportable Ingredier	nts (Chemicals present below reporting thr
None of the ingredients is listed.	
SARA Section 312/Tier I & II Ha	zardard Catagories:
Health Delayed (chronic)	Yes
Health Immediate (acute) Flammable	Yes No
Reactive	No
Pressure	No
North America Chemical Invento	rry Status
<b>TSCA (Toxic Substances Control</b>	•
	t from listing unless otherwise noted below.
CEPA (Canadian DSL):	
	t from listing unless otherwise noted below.
California Proposition 65	
Chemicals known to cause cancer	••
	, heavy paraffinic distillate solvent
130498-29-2 Polycyclic Aromatic	
Chemicals known to cause reproc	luctive toxicity for females:
None of the ingredients is listed.	
Chemicals known to cause reprod	luctive toxicity for males:
None of the ingredients is listed.	
	pmental toxicity:
Chemicals known to cause develo	
None of the ingredients is listed.	
Chemicals known to cause develo None of the ingredients is listed. WHMIS Classification(s): D2A - Very toxic material causing	other toxic effects

**Carcinogenicity Categories** 

EPA (Environmental Protection Agency)

None of the ingredients is listed.

IARC (International Agency for Research on Cancer) Human Carcinogenicity:Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable			
8052-42-4	Asphalt	3	
64742-04-7	Extracts (petroleum), heavy paraffinic distillate solvent	1	
9003-55-8	Styrene-butadiene rubber	3	

(Cont. on page 8) USA

(Cont. from page 7)

3

A4

A4

## **Material Safety Data Sheet**

Printing date 02/27/2014

Version Number 1.5

Reviewed on 02/27/2014

## Trade name: Waterproofing Membrane

## 14807-96-6 Talc

#### NTP (National Toxicology Program)

#### K-Known to be carcinogenic, R-May reasonably be anticipated to be carcinogenic

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

8052-42-4 Asphalt

14807-96-6 Talc

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

8052-42-4 Asphalt

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

None of the ingredients is listed.

**Volatile Organic Compounds (VOC) reported per the Emission Standards for Architectural Coatings:** If no g/L value is provided this product is not subject to above standard.

#### **International Chemical Inventory Status**

**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.

Korean Existing Chemical Inventory

All ingredients are listed.

#### **National regulations:**

#### 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.

#### **Non-hazardous Ingredients**

9003-55-8 Styrene-butadiene rubber

## **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."

Version Number 1.5

Reviewed on 02/27/2014

(Cont. from page 8)

USA

## Trade name: Waterproofing Membrane

**Department issuing MSDS:** 

#### **Other Information:**

BITUTHENE® LOW TEMPERATURE WATERPROOFING MEMBRANE, MEMBRANE STRIPS BITUTHENE® SYSTEM 4000 WATERPROOFING MEMBRANE, MEMBRANE STRIPS PERM-A-BARRIER WALL FLASHING, PERM-A-BARRIER WALL MEMBRANE, PERM-A-BARRIER® LOW TEMPERATURE MEMBRANE, PERM-A-BARRIER DETAIL MEMBRANE, GRACE ICE & WATER SHIELD®, GRACE ROOF DETAIL MEMBRANE, PITTWRAP CW, GRACE SELECT, VYCOR V40 WEATHER BARRIER STRIPS, GRACE VYCOR PLUS TAPES, GRACE® BASIK™, GRACE VYCOR DECK PROTECTOR, BITUTHENE 3000 MEMBRANE, ICE and WATER SHIELD HT GRACE VYCOR ALL PURPOSE FLASHING, GRACE VYCOR ALUMINUM FLASHING, PREPRUFE DETAIL TAPE HC GRADE, GENERIC 40-MIL FLASHING LOG, PERM-A-BARRIER ALUMINUM FLASHING, PERM-A-BARRIER ALUMINUM MEMBRANE, PERM-A-BARRIER ALUMINUM MEMBRANE LOWTEMP,