

Revision Date: 27/02/2018

Section 1: Identification of the Product and Company Identification

1.1. Product Identifier

Product Name: RubberBond Lap Sealant

Product Code: 302174

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

Identified uses Sealant for EPDM Single-Ply Roofing Membranes. Product for industrial use

Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Suppliers:

Sandswood House Hillbottom Road Sands Industrial Estate High Wycombe Buckinghamshire

HP12 4HJ

Tel: 01494 448792 Fax: 01494 858433 Email: eng@rubberbond.co.uk

1.4. Emergency telephone number

Emergency telephone 01494 448792 (NOT 24HRS Monday-Thursday 08.30 - 17.30

Friday 08.30 – 16.30)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 2 - H225

Skin Irrit. 2 - H315 Skin STOT SE 3 - H336 STOT RE 1 - H372 **Health hazards**

Environmental hazards Aquatic Chronic 2 - H411

Human Health No additional information available

Physicochemical No additional information available

2.2. Label elements

Pictogram





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Signal word Danger

Hazard statements H225 - Highly flammable liquid and vapour

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

H372 - Causes damage to organs (central nervous system) through prolonged

or repeated exposure

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements P210 - Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking

P280 - Wear protective gloves/protective clothing/eye protection/face protection P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower

P332+P313 - If skin irritation occurs: Get medical advice/attention

P405 - Store locked up

P501 - Dispose of contents/container to an authorised waste collection point

Contains Solvent naphtha (petroleum), light aliph., Solvent naphtha (petroleum), medium

aliph.

2.3. Other hazards

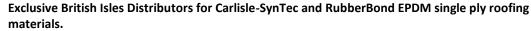
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.2. Mixtures

CALCIUM CARBONATE	10 - 30%	
CAS number: 1317-65-3	EC number: 215-279-6	REACH registration number:
Classification		
Not classified		

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.		10 - 30%
CAS number: 64742-89-8	EC number: 265-192-2 (EC index No.) 649-267-00-0	REACH registration number:
Classification		
Flam. Liq. 1, H224 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304		







Revision Date: 27/02/2018 Aquatic Chronic 2, H411

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. 10 - 30%

CAS number: 64742-88-7 EC number: 265-191-7 REACH registration number:

(EC index No.) 649-405-00-X

Classification

Flam. Liq. 3, H226 Skin Irrit. 2, H315 **STOT SE 3, H336 STOT RE 1, H372**

Asp. Tox. 1, H304

Aquatic Chronic 2, H411

3 - 7% RESIDUAL OILS (PETROLEUM,) SOLVENT-REFINED

EC number: 265-101-6 CAS number: 64742-01-4 **REACH** registration number:

(EC index No.) 649-405-00-X

Classification

Asp. Tox. 1, H304

1-3% SILICON DIOXIDE

CAS number: 7631-86-9 EC number: 231-545-4 REACH registration number:

Classification

Not classified

1-3% **CARBON BLACK**

CAS number: 1333-86-4 EC number: 215-609-9 **REACH** registration number:

Classification

Not classified

BUTENE, HOMOPOLYMER (PRODUCTS DERIVED FROM EITHER/OR BUT-1-ENE/BUT-2-ENE)

CAS number: 9003-29-6 EC number: 500-004-7 REACH registration number:

Exclusive British Isles Distributors for Carlisle-SynTec and RubberBond EPDM single ply roofing materials.



1-5%



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Classification

Skin Irrit. 2, H315 Asp. Tox. 1, H304

0.1-1% **MICA**

CAS number: 12001-26-2 EC / List number: 601-648-2 REACH registration number:

Classification Not classified

PHENOL, 4-METHYL-, REACTION PRODUCTS WITH **DICYCLOPENTADIENE AND ISOBUTYLENE**

> EC number: 271-867-2 **REACH** registration number:

Classification

Aquatic Chronic 4, H413

CAS number: 68610-51-5

The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Never give anything by mouth to an unconscious person. If you feel unwell, seek

medical advice (show the label where possible).

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for

breathing. If symptoms develop, obtain medical attention.

Ingestion Do NOT induce vomiting. Rinse mouth. Give 100 - 200 ml of water to drink. Do

not give an unconscious person anything to drink. Obtain immediate medical

attention.

Skin contact Immediately remove contaminated clothing or footwear. Rinse skin with plenty of

water or shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact Rinse cautiously with water for several minutes. Ensure that folded skin of

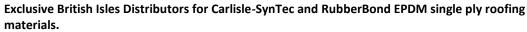
eyelids is thoroughly washed with water. Remove contact lenses, if present and

easy to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention.

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

Inhalation May cause drowsiness or dizziness.





0.1-1%



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Ingestion Ingestion may cause irritation of the gastrointestinal tract.

Skin contact Causes skin irritation.

Eye contact May cause eye irritation.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Dry chemical. Foam. Carbon dioxide.

Unsuitable extinguishing

media

Do not use water jet. Water may be ineffective.

5.2. Special hazards arising from the substance or mixture

Fire hazard Highly flammable liquid and vapour. Vapours are heavier than air and may travel

considerable distance to an ignition source and flash back to source of vapours.

Explosion hazard Containers may rupture when heated.

Hazardous decomposition

products in case of fire

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide.

Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructionsUse water spray or fog for cooling exposed containers. Exercise caution when

fighting any chemical fire. Do not allow run-off from firefighting to enter drains or

water courses.

Special protective equipment

for firefighters

Fire fighters should wear complete protective clothing including self-contained

breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures Remove all sources of ignition. Evacuate unnecessary personnel. Ensure

adequate ventilation.

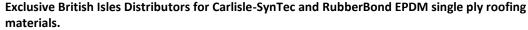
6.1.2. For emergency responders

Protective equipment Wear suitable protective clothing and eye or face protection.

Emergency procedures Remove all sources of ignition. Use only non-sparking tools. Beware of vapours

accumulating to form explosive concentrations. Vapours can accumulate in low areas. Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact

with skin and eyes.







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6.2. Environmental precautions

Environmental precautions Avoid release to the environment. Prevent entry to sewers and public waters.

Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb with earth, sand or other non-combustible material, allow to cure, and

transfer to containers for later disposal. Wash spill area with soapy water.

Washings must be prevented from entering surface water drains.

6.4. Reference to other sections

Reference to other sections SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal

considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Ensure equipment is adequately grounded. Use only explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing. Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Avoid inhalation of vapours. Avoid contact

with skin, eyes and clothing.

Hygiene measures Do not eat, drink or smoke when using this product. Handle in accordance with

> good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work

clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures Keep away from open flames, hot surfaces and sources of ignition.

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Storage conditions

Store in a dry place. Keep cool.

Strong acids. Strong alkalis. Strong oxidizing agents. Incompatible materials

7.3. Specific end use(s)

Specific end use(s) Sealant for EPDM Single-Ply Roofing Membranes. Product for industrial use

only.

SECTION 8: Exposure Controls/personal protection







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8.1. Control parameters
Occupational exposure limits

SILICON DIOXIDE (7631-86-9)

WEL TWA (mg/m³) 6 mg/m³ inhalable dust 2.4 mg/m³ respirable dust

CALCIUM CARBONATE (1317-65-3)

WEL TWA (mg/m³)10 mg/m³ inhalable dust 4 mg/m³ respirable dust

CARBON BLACK (1333-86-4)

WEL TWA (mg/m³) 3.5 mg/m³ WEL STEL (mg/m³) 7 mg/m³

MICA (12001-26-2)

WEL TWA (mg/m³) 10 mg/m³ total inhalable 0.8 mg/m³ respirable

QUARTZ (14808-60-7)

WEL TWA (mg/m³) 0.1 mg/m³ WEL STEL (mg/m³) 0.3 mg/m³

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Appropriate engineering

controls

Provide adequate ventilation. Emergency eye wash fountains should be

available in the immediate vicinity of any potential exposure.

Personal protective

equipment

Avoid all unnecessary exposure.

Eye/face protection

Chemical goggles or face shield. Standard EN 166 - Personal eye-protection.

Hand protection

Wear chemically resistant protective gloves. Standard EN 374 - Protective gloves against chemicals. Gloves should be removed and replaced if there are

any signs of degradation or breakthrough.

Other skin and body

protection

Long sleeved protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure

controls

Avoid release to the environment.

Thermal hazard protection Not

Not required for normal conditions of use.

Other information

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures. Contaminated work clothing should

not be allowed out of the workplace.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties







Revision Date: 27/02/2018

Physical state Liquid

Appearance Viscous. Paste.

Colour Black.

Odour Hydrocarbon.

Odour threshold No data available

pH No data available

Relative evaporation rate

(butylacetate=1)

3.5

Melting point $< 18 \, ^{\circ}\text{C}$ Freezing point $< 18 \, ^{\circ}\text{C}$

Boiling point 119 - 185 °C

Flash point 4.4 °C (Tag closed cup)

Auto-ignition temperature 230 °C

Decomposition temperatureNo data availableFlammability (solid, gas)Not applicableVapour pressure8.27 mm Hg

Relative vapour density at 20 4 (air = 1)

°C

Relative density 1.03 - 1.04 (Water = 1)

Solubility Insoluble in water. Log Pow No data available Log Kow No data available Viscosity, kinematic No data available Viscosity, dynamic 1100000 mPa·s **Explosive properties** Not explosive. **Oxidising properties** Not oxidising. **Explosive limits** 0.8 - 6.7 vol %

9.2. Other information

VOC content 390 - 400 g/l

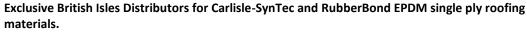
SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under normal conditions.

10.2. Chemical stability

Stability Stable under normal conditions.







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10.3. Possibility of hazardous reactions

Possibility of hazardous

None known

reactions

10.4. Conditions to avoid

Conditions to avoid Ignition sources. Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid Strong oxidizing agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide.

products Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Not classified

Based on available data, the classification criteria are not met

Toxicological information on ingredients.

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. (64742-89-8)

LD50 oral rat > 5000 mg/kg LD50 dermal rabbit > 2000 mg/kg LC50 inhalation rat (mg/l) > 5610 mg/l/4h

RESIDUAL OILS (PETROLEUM,) SOLVENT-REFINED (64742-01-4)

LD50 oral rat > 5000 mg/kg LD50 dermal rabbit > 2000 mg/kg LC50 inhalation rat (mg/l) > 5.53 mg/l/4h

PHENOL, 4-METHYL-, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE (68610-51-

LD50 oral rat > 5000 mg/kg LD50 dermal rabbit > 2000 mg/kg

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (64742-88-7)

LD50 oral rat > 5000 mg/kg LD50 dermal rabbit > 2000 mg/kg





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Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin

sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Not classified

Based on available data, the classification criteria are not met

Carcinogenicity Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity Suspected of damaging the unborn child.

Specific target organ toxicity

(single exposure)

May cause drowsiness or dizziness.

Specific target organ toxicity

(repeated exposure)

May cause damage to organs (neuropsychological effects, auditory dysfunction, effects on colour vision) through prolonged or repeated exposure (if inhaled).

Aspiration hazard Not classified

Based on available data, the classification criteria are not met

Potential adverse human

health effects and symptoms

Causes skin irritation. Allergic skin rash. Causes serious eye irritation. Vapours may cause drowsiness and dizziness. Ingestion may cause irritation of the

gastrointestinal tract.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - water Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. (64742-89-8)

EC50 3.1 mg/l (72 Hours, Growth rate, Pseudokirchnerella subcapitata)

RESIDUAL OILS (PETROLEUM,) SOLVENT-REFINED (64742-01-4)

LC50 > 5000 mg/l (96 Hours, Oncorhynchus mykiss (Rainbow trout))

EC50 > 1000 mg/l (96 Hours, Daphnia magna)

PHENOL, 4-METHYL-, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE (68610-51-

5)

LC50 > 0.2 mg/l (96 Hours, semi-static, Oncorhynchus mykiss (Rainbow trout))

EC50 > 0.2 mg/l (48 Hours, semi-static, Daphnia magna)

EC50 > 0.2 (48 Hours, static test, Pseudokirchnerella subcapitata)

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. (64742-88-7)

LC50 800 mg/l (96 Hours, static test, Pimephales promelas)

Exclusive British Isles Distributors for Carlisle-SynTec and RubberBond EPDM single ply roofing materials.

Flex-R, Sandswood House, Hillbottom Road, Sands Industrial Estate, High Wycombe, Buckinghamshire, HP12 4HJ. Tel: +44 (0)1494 448792 Fax: +44 (0)1494 858433





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EC50 > 100 mg/l (48 Hours, Daphnia magna)

EC50 450 mg/l (96 Hours, Pseudokirchnerella subcapitata)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

RubberBond Lap Sealant

Ecology - soil Insoluble in water.

12.5. Results of PBT and vPvB assessment

RubberBond Lap Sealant

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods Dispose of this material and its container at hazardous or special waste

collection point.

Waste disposal Dispose in a safe manner in accordance with local/national regulations. Empty recommendations

containers should be taken to an approved waste handling site for recycling or

disposal.

Additional information Handle empty containers with care.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR) 1133 UN-No. (IATA) 1133 UN-No. (IMDG) 1133

14.2. UN proper shipping name







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Proper shipping name **ADHESIVES**

(ADR/RID)

Proper Shipping Name (IATA) ADHESIVES Proper Shipping Name (IMDG) ADHESIVES

Transport document description (ADR)

UN 1133 ADHESIVES, 3, II

14.3. Transport hazard class(es)

Class (ADR/RID)	3
Class (IATA)	3
Class (IMDG)	3
Hazard labels (ADR/RID)	3



Hazard labels (IATA)



Danger labels (IMDG)



14.4. Packing group

Packing group (ADR/RID) Ш Packing group (IATA) Ш Packing group (IMDG) Ш

14.5. Environmental hazards

Dangerous for the environment Marine pollutant



Other information No supplementary information available.





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14.6. Special precautions for user

Special transport precautions No special precautions required.

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 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

Authorisations and/or restrictions on use (Annex XVII):

RubberBond Lap Sealant 3.a. Substances or mixtures fulfilling the criteria for any of the following hazard

classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13

categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F

RubberBond Lap Sealant 3.b. Substances or mixtures fulfilling the criteria for any of the following hazard

classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or

on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

RubberBond Lap Sealant 3.c. Substances or mixtures fulfilling the criteria for any of the following hazard

classes or categories set out in Annex I to Regulation (EC) No 1272/2008:

Hazard class 4.1

Contains no substance on the REACH candidate list

VOC content 390 - 400 g/l

15.1.2. National regulations

National regulations No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information





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Issued by Technical Revision date 27/02/2018

Data sources REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND

OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Hazard statements in full Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard,

Category 2

Aquatic Chronic 4 Hazardous to the aquatic environment — Chronic Hazard,

Category 4

Asp. Tox. 1 Aspiration hazard, Category 1 Flam. Liq. 1 Flammable liquids, Category 1 Flam. Liq. 2 Flammable liquids, Category 2 Flam. Liq. 3 Flammable liquids, Category 3 Skin Irrit. 2 Skin corrosion/irritation, Category 2

STOT RE 1 Specific target organ toxicity — Repeated exposure, Category 1 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3,

Narcosis

H224 Extremely flammable liquid and vapour
 H225 Highly flammable liquid and vapour
 H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H336 May cause drowsiness or dizziness

H372 Causes damage to organs through prolonged or repeated exposure

H411 Toxic to aquatic life with long lasting effects

H413 May cause long lasting harmful effects to aquatic life

NCEC SDS EU (REACH ANNEX II)

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use

