

30850861 VAPOR-LOCK(TM) Revision Date 06-Sep-2017 Supersedes Date: 25-Aug-2016

Version 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name VAPOR-LOCK(TM)

Product Code 30850861

Product(s) CoveredSee section 16 for more information

Gen Code / Barcode ; 747224699312

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

Recommended use Adhesives.

Uses Advised Against No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party

Bostik Inc.

11320 W. Watertown Plank Road Wauwatosa, Wisconsin 53226 USA

Phone: +1 (800) 843-0844 (Domestic Toll Free) Phone: +1 (414) 774-2250 (International)

Fax: +1 (414) 774-8075

E-mail msds@bostik-us.com

1.4. Emergency telephone number

Telephone: 1-800-227-0332 (Outside U.S.) 1-703-527-3887

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Reproductive Toxicity	Category 1B

2.2. Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction May damage fertility or the unborn child

30850861 Revision Date 06-Sep-2017 VAPOR-LOCK(TM) Supersedes Date: 25-Aug-2016

Version 2



Appearance Paste

Physical State Liquid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Avoid breathing dust/fume/gas/mist/vapors/spray

In case of inadequate ventilation wear respiratory protection

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see first aid measures on this label)

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Not applicable

Unknown acute toxicity

26% of the mixture consists of ingredient(s) of unknown toxicity

2.3. Other Information

No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	CAS No.	Weight-%
Limestone	1317-65-3	30 - 60
Hydrocarbons, C9-unsaturated, polymerized	71302-83-5	3 - 7
Propylene carbonate	108-32-7	1 - 5
Carbon black	1333-86-4	0.1 - 1
Quartz	14808-60-7	0.1 - 1
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	0.1 - 1
Dibutyltin dilaurate	77-58-7	0.1 - 1

30850861 VAPOR-LOCK(TM) Revision Date 06-Sep-2017 Supersedes Date: 25-Aug-2016

Version 2

The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

Skin ContactWash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Wash contaminated clothing before reuse. In the case of skin irritation

or allergic reactions see a physician. May cause sensitization by skin contact.

InhalationMove to fresh air in case of accidental inhalation of vapors or decomposition products. If

symptoms persist, call a physician.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth

to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-Protection of the First Aider Use personal protective equipment as required.

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

Symptoms No information available.

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

Note to physicians Treat symptomatically. May cause sensitization of susceptible persons. May cause

sensitization by inhalation and skin contact.

4.4. Reference to Other Sections

Reference to other sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 11: TOXICOLOGY INFORMATION

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use. Dry chemical. Carbon dioxide (CO2). Water spray (fog). Alcohol resistant foam.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

5.2. Special hazards arising from the substance or mixture

Specific Hazards Arising from the Chemical

In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

30850861 Revision Date 06-Sep-2017 VAPOR-LOCK(TM) Supersedes Date: 25-Aug-2016

Version 2

5.3. Advice for firefighters

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Keep people away from and upwind of

spill/leak. Avoid contact with eyes and skin. Ensure adequate ventilation, especially in

confined areas.

6.2. Environmental precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or

sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. See Section 12 for additional Ecological

Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Protect from moisture.

Methods for cleaning upUse personal protective equipment as required. Dam up. Soak up with inert absorbent

material. Pick up and transfer to properly labeled containers. Clean contaminated surface

thoroughly.

6.4. Reference to other sections

Reference to other sections Section 7: HANDLING AND STORAGE

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

confined areas. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid

static electricity discharge (which might cause ignition of organic vapors).

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children. Keep containers tightly closed in a dry, cool and

well-ventilated place. Keep away from heat. Keep in properly labeled containers. Reacts

with water. Protect from direct contact with water or excessive moisture.

Incompatible Materials Water. Alcohols. Strong bases. Strong oxidizing agents. Finely powdered metals.

7.3. Specific end use(s)

OTHER INFORMATIONNo information available.

7.4. References to Other Sections

30850861 VAPOR-LOCK(TM) Revision Date 06-Sep-2017 Supersedes Date: 25-Aug-2016

Version 2

Reference to other sections Section 13: DISPOSAL CONSIDERATIONS

Section 10: STABILITY AND REACTIVITY

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines

. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Carbon black (1333-86-4) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Limestone CAS 1317-65-3 is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Limestone	-	TWA: 10 mg/m³ total dust	TWA: 15 mg/m³ total dust	TWA: 10 mg/m ³
1317-65-3		TWA: 5 mg/m³ respirable	TWA: 5 mg/m³ respirable	STEL: 20 mg/m ³
		dust	fraction	
Hydrocarbons,	10 mg/m³ (inhalable dust) 3	-	-	-
C9-unsaturated, polymerized	• · · · /			
71302-83-5	Particulates, not otherwise classified			
Carbon black	TWA: 3 mg/m³ inhalable	IDLH: 1750 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³
1333-86-4	particulate matter	TWA: 3.5 mg/m ³		STEL: 7 mg/m ³
		TWA: 0.1 mg/m³ Carbon		
		black in presence of		
		Polycyclic aromatic		
_		hydrocarbons PAH		
Quartz	TWA: 0.025 mg/m ³	IDLH: 50 mg/m ³ respirable	TWA: 50 μg/m³ TWA: 50	TWA: 0.1 mg/m ³
14808-60-7	respirable particulate matter	dust	μg/m³ excludes	
		TWA: 0.05 mg/m ³	construction work,	
		respirable dust	agricultural operations, and	
			exposures that result from	
			the processing of sorptive	
			clays : (250)/(%SiO2 + 5) mppcf	
			TWA respirable fraction	
			: (10)/(%SiO2 + 2) mg/m ³	
			TWA respirable fraction	
Dibutyltin dilaurate	STEL: 0.2 mg/m ³ Sn	IDLH: 25 mg/m ³ Sn	TWA: 0.1 mg/m ³ Sn	TWA: 0.1 mg/m ³
77-58-7	TWA: 0.1 mg/m ³ Sn	TWA: 0.1 mg/m³ except		STEL: 0.2 mg/m ³
66 /	S*	Cyhexatin Sn		5 · ==: 5 · = · · · 9 /· · ·

Chemical Name	Argentina	Brazil	Chile	Venezuela
Limestone 1317-65-3	TWA: 10 mg/m ³	-	TWA: 8 mg/m ³	-
Carbon black 1333-86-4	TWA: 3.5 mg/m ³	-	-	TWA: 3.5 mg/m ³
Quartz 14808-60-7	TWA: 0.05 mg/m ³	-	TWA: 0.08 mg/m ³	TWA: 0.025 mg/m ³
Dibutyltin dilaurate 77-58-7	TWA: 0.1 mg/m³ Skin STEL: 0.2 mg/m³	-	TWA: 0.08 mg/m³ Skin	Skin STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³

8.2. Exposure controls

Engineering Controls Showers

Eyewash stations Ventilation systems.

30850861 Revision Date 06-Sep-2017 VAPOR-LOCK(TM) Supersedes Date: 25-Aug-2016

Version 2

Personal protective equipment [PPE]

Eye/Face Protection Tight sealing safety goggles.

Skin and Body Protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only

depend on the material, but also on further marks of quality and various manufacturers. **Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be

required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

General Hygiene Considerations Use personal protective equipment as required. Handle in accordance with good industrial

hygiene and safety practice. When using do not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and

clothing is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Liquid **Physical State Appearance** Paste Color Brown

Odor No information available **Odor Threshold** No information available

Property Remarks • Method Values

рΗ No information available Melting point / freezing point No information available **Boiling Point** No information available > 93.3 °C / > 200 °F Flash Point **Evaporation Rate** No information available

Flammability (solid, gas) No information available Flammability Limit in Air

Upper Flammability Limit No information available **Lower Flammability Limit** No information available **Vapor Pressure** No information available **Vapor Density** No information available

Relative Density No information available Water Solubility No information available

Solubility in Other

Solvents **Partition Coefficient**

Autoignition **Temperature**

Not applicable for liquids

Decomposition

Temperature

No information available No information available

No information available

Kinematic Viscosity No information available

Dynamic Viscosity No information available

No information available **Explosive Properties Oxidizing Properties** No information available

9.2. Other information

Softening Point No information available Molecular Weight No information available Solvent content (%) No information available

Solid content (%) 96.8 Density 1.712 g/cm³

30850861 Revision Date 06-Sep-2017 VAPOR-LOCK(TM) Supersedes Date: 25-Aug-2016

Version 2

VOC < .1 %

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization may occur.

10.4. Conditions to avoid

Protect from moisture. Reacts with water. Keep from any possible contact with water. Extremes of temperature and direct sunlight. Heat, flames and sparks. Storage near to reactive materials.

10.5. Incompatible materials

Water. Alcohols. Strong bases. Strong oxidizing agents. Finely powdered metals.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen cyanide. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Product Information No data available

Inhalation May cause sensitization by inhalation.

Eye contact No data available.

Skin Contact May cause sensitization by skin contact.

Ingestion No data available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (rat)	-	-
Hydrocarbons, C9-unsaturated, polymerized 71302-83-5	LD50 >2000 mg/kg Rat	LD50 > 2000 mg/kg (Rat) OECD 402	LC0 (4h) > 5.14 mg/L (RAT) OECD 403
Propylene carbonate 108-32-7	LD50 > 5000 mg/kg (Rat) OECD 401	> 3000 mg/kg (Rabbit)	-
Carbon black 1333-86-4	LD 50 > 8000 mg/kg (rat) OECD 401	> 3 g/kg(Rabbit)	-
Quartz 14808-60-7	>2000 mg/kg (Rat)	-	-
Benzenesulfonyl isocyanate, 4-methyl-	= 2234 mg/kg (Rat)	-	> 640 ppm (Rat) 1 h

30850861 Revision Date 06-Sep-2017 VAPOR-LOCK(TM) Supersedes Date: 25-Aug-2016

Version 2

4083-64-1			
Dibutyltin dilaurate 77-58-7	= 2071 mg/kg (Rat)	> 2000 mg/kg (Rat)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms No information available.
Skin Corrosion/Irritation No information available.
Serious Eye Damage/Eye Irritation No information available.
Irritation No information available.
Corrosivity No information available.

Sensitization May cause sensitization by inhalation and skin contact.

Germ Cell Mutagenicity No information available.

Reproductive Toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.

Developmental ToxicityNo information available.TeratogenicityNo information available.STOT - Single ExposureNo information available.STOT - Repeated ExposureNo information available.

Chronic Toxicity Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated

exposure. Repeated or prolonged exposure may cause central nervous system damage.

Repeated or prolonged contact causes sensitization, asthma and eczemas.

Target Organ Effects
Eyes, Respiratory system, Skin, Central nervous system.

Aspiration hazard No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

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Chemical Name	ACGIH	IARC	NTP	OSHA
Carbon black 1333-86-4	A3	Group 2B	-	X
Quartz 14808-60-7	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Confirmed animal carcinogen with unknown relevance to humans

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L Fish (Oncorhynchus mykiss)		CE50 (48h) >1000 mg/L Daphnia Magna
Hydrocarbons,	EL50 (72h) >100 mg/L	LL50 (96h) = 25.8 mg/L		EL50 (48h) =54 mg/L

30850861Revision Date06-Sep-2017VAPOR-LOCK(TM)Supersedes Date:25-Aug-2016

Version 2

C9-unsaturated, polymerized 71302-83-5	(Desmodesmus subspicatus) OECD 201	(Danio rerio) OECD 203		(Daphnia magna) OECD 202
Propylene carbonate 108-32-7	EC50 72 h > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h > 1000 mg/L (Cyprinus carpio semi-static)	EC50 > 10000 mg/L 17 h	EC50 48 h > 500 mg/L (Daphnia magna)
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203		EC50 24 h > 5600 mg/L (Daphnia magna)
Dibutyltin dilaurate 77-58-7		LC50 48 h = 2 mg/L (Oryzias latipes)		

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5 Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of Wastes It is the responsibility of the waste generator to determine the toxicity and physical

properties of the material generated to determine the proper waste identification and

disposal methods in compliance with applicable regulations

Contaminated Packaging Dispose of in accordance with federal, state and local regulations

Section 14: TRANSPORTATION INFORMATION

DOTNot regulatedIATANot regulatedIMDGNot regulated

Section 15: REGULATORY INFORMATION

Global Inventories

TSCA	Listed
DSL	Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

30850861 VAPOR-LOCK(TM) Revision Date 06-Sep-2017 Supersedes Date: 25-Aug-2016

Version 2

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

D2A - Very toxic materials



United States of America

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 16: OTHER INFORMATION

Product(s) Covered

30850861; 30850862; 30850863; 30850864

Key or legend to abbreviations and acronyms used in the safety data sheet

No information available

Key Literature References and Sources for Data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision Date 06-Sep-2017

Revision Note SDS sections updated, 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 15, 16.

30850861 Revision Date 06-Sep-2017 VAPOR-LOCK(TM) Supersedes Date: 25-Aug-2016

Version 2

Training Advice No information available

Additional information No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet