

Safety Data Sheet
according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: May 01, 2019

1 Identification

- **Product identifier**
- **Trade name:** HydroFlash LA
- **Other means of identification:** HydroFlash LA; one sausage tube of blue liquid applied flashing
- **Recommended use and restriction on use**
- **Recommended use:** Liquid Applied Flashing
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Benjamin Obdyke
400 Babylon Rd. Suite A
Horsham, PA 19044
800-523-5261
- **Emergency telephone number:**
CHEMTREC
1-800-424-9300 (US/Canada)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Skin Sens. 1 H317 May cause an allergic skin reaction.
Repr. 1B H360 May damage fertility or the unborn child.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS07 GHS08

- **Signal word:** Danger
- **Hazard statements:**
H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.
- **Precautionary statements:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection.
P302+P352 If on skin: Wash with plenty of soap and water. P308+P313
IF exposed or concerned: Get medical advice/attention. P333+P313 If
skin irritation or rash occurs: Get medical advice/attention. P363
Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international
regulations.

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- **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Components:**

1317-65-3	Limestone	40-60%
471-34-1	Calcium carbonate	<10%
2768-02-7	trimethoxyvinylsilane	<3%
	⚠ Acute Tox. 4, H332	
3069-29-2	N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	<1%
	⚠ Eye Dam. 1, H318	
	⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317	
13463-67-7	Titanium dioxide	<2%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	<1%
	⚠ Skin Sens. 1, H317	
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	<1%
	⚠ Eye Dam. 1, H318	
	⚠ Skin Sens. 1, H317	
25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol PBT; vPvB	<1%
	⚠ STOT RE 2, H373	
	⚠ Combustible Dust	
77-58-7	dibutyltin dilaurate	<1%
	⚠ Muta. 2, H341; Repr. 1B, H360; STOT SE 1, H370; STOT RE 1, H372	
	⚠ Skin Corr. 1C, H314	
	⚠ Skin Sens. 1, H317	

- **Additional information:**

Non-classification as a carcinogen is based on non-inhalable form of product. IARC listings for titanium dioxide note that the substance must be respirable.

For the wording of the listed Hazard Statements, refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Wash with soap and water.

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

- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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

- **Most important symptoms and effects, both acute and delayed:**

Gastric or intestinal disorders when ingested.

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Slight irritant effect on eyes.

Allergic reactions

- **Danger:** Suspected of damaging fertility or the unborn child.

- **Indication of any immediate medical attention and special treatment needed:**

Contains N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, N-(3-(trimethoxysilyl)propyl)ethylenediamine, dibutyltin dilaurate. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Carbon dioxide

Fire-extinguishing powder

Gaseous extinguishing agents

Foam

Sand

Water fog / haze

- **For safety reasons unsuitable extinguishing agents:** Water stream.

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Use personal protective equipment as required.

- **Environmental precautions** Avoid release to the environment.

- **Methods and material for containment and cleaning up**

Towel or mop up material and collect in a suitable container.

For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.

- **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.

Keep out of reach of children.

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Avoid contact with the eyes and skin.

- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

· Control parameters

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

1317-65-3 Limestone

PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn

471-34-1 Calcium carbonate

PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn

2768-02-7 trimethoxyvinylsilane

EV (Canada)	Short-term value: 60 mg/m ³ , 10 ppm
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13463-67-7 Titanium dioxide

PEL (USA)	Long-term value: 15* mg/m ³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 10 mg/m ³
EL (Canada)	Long-term value: 10* 3** mg/m ³ *total dust; **respirable fraction; IARC 2B
EV (Canada)	Long-term value: 10 mg/m ³ total dust
LMPE (Mexico)	Long-term value: 10 mg/m ³ A4

77-58-7 dibutyltin dilaurate

PEL (USA)	Long-term value: 0.1 mg/m ³ as Sn
REL (USA)	Long-term value: 0.1 mg/m ³ as Sn, Skin
TLV (USA)	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ as Sn; Skin

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EL (Canada)	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ as Sn; Skin
EV (Canada)	Long-term value: 0.1 mg/m ³ as Sn, Skin
LMPE (Mexico)	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ A4, PIEL; como Sn

- **Exposure controls**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Avoid breathing mist, vapors, or spray.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
Not required under normal conditions of use.
Use suitable respiratory protective device in case of insufficient ventilation.
NIOSH or EU approved dust respirator should be used for operations generating dust.
- **Protection of hands:**
Wear protective gloves to handle contents of damaged or leaking units.
Gloves are advised for repeated or prolonged contact.
- **Eye protection:** Follow relevant national guidelines concerning the use of protective eyewear.
- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** No special requirements.
- **Risk management measures** No special requirements.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form: Paste
Color: According to product specification

· **Odor:** Mild
· **Odor threshold:** Not determined.

· **pH-value:** Not determined.
· **Melting point/Melting range:** Not determined.
· **Boiling point/Boiling range:** Not determined.

· **Flash point:** >93.3 °C (>199.9 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

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- | | |
|---|------------------------------------|
| · Explosion limits | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| · Oxidizing properties: | Non-oxidizing. |
| · Vapor pressure: | Not determined. |
| · Density: | |
| Relative density: | 1.3-1.4 |
| Vapor density: | Not determined. |
| Evaporation rate: | Not determined. |
| · Solubility in / Miscibility with Water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · VOC content: | < 20 g/L |
| · Other information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Reacts with oxidizing agents.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products**
Under fire conditions only:
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:** Based on available data, the classification criteria are not met.
 - **LD/LC50 values that are relevant for classification:**
- | | |
|-------------------------------------|---------------------------|
| 77-58-7 dibutyltin dilaurate | |
| Oral | LD50 2071 mg/kg (rat) |
| Dermal | LD50 >2000 mg/kg (rabbit) |
- **Primary irritant effect:**
 - **On the skin:** Based on available data, the classification criteria are not met.

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- **On the eye:** Based on available data, the classification criteria are not met.
 - **Sensitization:**
Contains N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, N-(3-(trimethoxysilyl)propyl)ethylenediamine, dibutyltin dilaurate. May produce an allergic reaction.
 - **IARC (International Agency for Research on Cancer):**
Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.
- | | | |
|------------|------------------|----|
| 13463-67-7 | Titanium dioxide | 2B |
|------------|------------------|----|
- **NTP (National Toxicology Program):**
None of the ingredients are listed.
 - **OSHA-Ca (Occupational Safety & Health Administration):**
None of the ingredients are listed.
 - **Probable route(s) of exposure:**
Ingestion.
Eye contact.
Skin contact.
 - **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
 - **Carcinogenicity:**
Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is nonclassifiable as a carcinogen.
 - **Reproductive toxicity:** May damage fertility or the unborn child.
 - **STOT-single exposure:** Based on available data, the classification criteria are not met.
 - **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
 - **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity**
Harmful to aquatic life with long lasting effects.
- | | |
|------------|---|
| 41556-26-7 | bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate |
| LC50 | 0.97 mg/l (Iepomis macrochirus) |
- **Persistence and degradability** No relevant information available.
 - **Bioaccumulative potential:** No relevant information available.
 - **Mobility in soil:** No relevant information available.
 - **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The user of this material has the responsibility to dispose of unused material, residues and containers in

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compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Not regulated. |
| · UN proper shipping name | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Not regulated. |
| · Transport hazard class(es) | |
| · DOT, ADR/RID/ADN, IMDG, IATA | |
| · Class | Not regulated. |
| · Packing group | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Not regulated. |
| · 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

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Reference to chemical component(s) listed below are based on unbound respirable particles and are not

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generally applicable to product as supplied.

13463-67-7	Titanium dioxide
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• **Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

• **Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

• **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

• **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

• **IARC (International Agency for Research on Cancer):**

Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

13463-67-7	Titanium dioxide	2B
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• **Canadian Domestic Substances List (DSL): (Substances not listed.)**

All ingredients are listed or exempt.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Muta. 2: Germ cell mutagenicity – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

• **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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