

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

### 1. Identification

#### 1.1. Product identifier

**Product Identity**

Life Calk Type P & H - 2 Part Black - Part "B"

**Alternate Names**

Lead Catalyst, Life Calk Type P & H - 2 Part Black - Part "B"  
Product Codes: 1046, 1047, 1048, 1050

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

**Intended use**

Catalyst for 2 part polysulfide sealant.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name**

Life Industries Corporation  
4060 Bridge View Drive  
N. Charleston, SC 29405

**Emergency**

**CHEMTREC (USA)**

(800) 424-9300

**24 hour Emergency Telephone No.**

USA: 1-800-424-9300  
Outside USA: +1-703-527-3887

**Customer Service: Life Industries Corporation**

+1-843-566-1225

### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

Ox. Sol. 3;H272

May intensify fire; oxidizer.

Acute Tox. 4;H302

Harmful if swallowed.

Acute Tox. 4;H332

Harmful if inhaled.

Repr. 1;H360

May damage fertility or the unborn child.

STOT RE 2;H373

May cause damage to organs through prolonged or repeated exposure. Specific Target  
Organs: (Not Available)

Aquatic Chronic 1;H410

Very toxic to aquatic life with long lasting effects.

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

#### **[Prevention]:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P220 Keep / Store away from clothing combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

#### **[Response]:**

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P308+313 IF exposed or concerned: Get medical advice / attention.

P314 Get Medical advice / attention if you feel unwell.

P330 Rinse mouth.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

P391 Collect spillage.

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

### [Storage]:

P405 Store locked up.

### [Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Lead oxide (PbO <sub>2</sub> ) CAS Number: 0001309-60-0	50 - 75	Ox. Sol. 3;H272 Acute Tox. 4;H302 Acute Tox. 4;H332 Repr. 1;H360 STOT RE 2;H373 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Chlorinated polyolefin CAS Number: 0068410-99-1	50 - 75	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

#### Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

#### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

#### Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

#### Ingestion

Induce vomiting if victim is conscious and call a physician at once.

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

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

### Overview

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: Harmful if swallowed.

Inhalation: Inhalation is not an expect hazard unless misted or heated to high temperatures

Chronic Health Hazards: No information found.

Medical Conditions Generally Aggravated by Exposure: NA

Notes to Medical Doctor: Lead and its organic compounds are neurotoxins which, may produce peripheral neuropathy. For an overview of the effects of lead exposure, consult Occupational Safety and Health Adm. App. A of Occupational Exposure to Lead (29CFR1910.1025).

See section 2 for further details.

### Inhalation

Harmful if inhaled.

### Ingestion

Harmful if swallowed.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder.

**Do not use: water.**

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep / Store away from clothing combustible materials.

Take any precaution to avoid mixing with combustibles.

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

### 5.3. Advice for fire-fighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Not considered to be an explosion hazard; autoignition temperature is 226F (107C).

None

**ERG Guide No.** 141

## 6. Accidental release measures

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

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

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Confine spill and place in a closed container. Wipe up excess with dry rags and place in a closed container.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes by using personal protective equipment.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong oxidizing agents.

Product is moisture sensitive (store in a dark, DRY place).

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

If used in a closed area, provide adequate ventilation to minimize exposure to vapors.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0001309-60-0	Lead oxide (PbO <sub>2</sub> )	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068410-99-1	Chlorinated polyolefin	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0001309-60-0	Lead oxide (PbO <sub>2</sub> )	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068410-99-1	Chlorinated polyolefin	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

### 8.2. Exposure controls

<b>Respiratory</b>	Generally not needed under normal circumstances.
<b>Eyes</b>	Chemical goggles.
<b>Skin</b>	PVC or rubber gloves.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

<b>Appearance</b>	Dark brown viscous Liquid
<b>Odor</b>	Slight
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Not Measured
<b>Flash Point</b>	Not Measured
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Not Measured
<b>Specific Gravity</b>	2.2
<b>Solubility in Water</b>	Insoluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	226F (107C)

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

**Decomposition temperature** Not Measured  
**Viscosity (cSt)** Not Measured  
**Density** 10-15 lbs/gallon

**9.2. Other information**

No other relevant information.

### 10. Stability and reactivity

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

No hazardous decomposition data available.

### 11. Toxicological information

**Acute toxicity**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Lead oxide (PbO <sub>2</sub> ) - (1309-60-0)	No data available	No data available	No data available	No data available	No data available
Chlorinated polyolefin - (68410-99-1)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	4	Harmful if inhaled.

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	1	May damage fertility or the unborn child.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

### 12. Ecological information

#### 12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Lead oxide (PbO <sub>2</sub> ) - (1309-60-0)	Not Available	Not Available	Not Available
Chlorinated polyolefin - (68410-99-1)	Not Available	Not Available	Not Available

#### 12.2. Persistence and degradability

There is no data available on the preparation itself.

#### 12.3. Bioaccumulative potential

Not Measured

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

#### 12.6. Other adverse effects

No data available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.



# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

### 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1872	UN1872	UN1872
14.2. UN proper shipping name	UN1872, Lead dioxide, 5.1, III	Lead dioxide	Lead dioxide
14.3. Transport hazard class(es)	DOT Hazard Class: 5.1	IMDG: 5.1 Sub Class: Not Applicable	Air Class: 5.1
14.4. Packing group	III	III	III
14.5. Environmental hazards			
IMDG	Marine Pollutant: Yes ( Lead oxide (PbO2) )		
14.6. Special precautions for user	No further information		

### 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA )</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	D2A C
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> No <b>Sudden Release of Pressure:</b> No <b>Reactive:</b> Yes <b>Immediate (Acute):</b> Yes <b>Delayed (Chronic):</b> Yes
<b>EPCRA 311/312 Chemicals and RQs:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 302 Extremely Hazardous:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 313 Toxic Chemicals:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>Proposition 65 - Carcinogens (&gt;0.0%):</b>	Lead oxide (PbO2)
<b>Proposition 65 - Developmental Toxins (&gt;0.0%):</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>Proposition 65 - Female Repro Toxins (&gt;0.0%):</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

# Safety Data Sheet

## Life Calk Type P & H - 2 Part Black - Part "B"

SDS Revision Date:

06/05/2015 File No.: 0006

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%):**

Lead oxide (PbO<sub>2</sub>)

**Pennsylvania RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

DISCLAIMER: The information and recommendations contained herein are based upon data believed to be correct. Life Industries Corporation assumes no liability for misinterpretation of the data contained within this form as any type of warranty or guarantee of the product.

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