



# CALDER INDUSTRIAL MATERIALS LTD

## SAFETY DATA SHEET FOR CALDERFLEX ROOF PRIMER

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

**PRODUCT NAME:** Calderflex Roof Primer **Reference:** DOCSH026 **Issue No 4: June 2015**

**SUPPLIER:** Calder Industrial Materials Limited  
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#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Use of substance/mixture:** PC9a: Coatings and paints, thinners, paint removers.

### 2. HAZARDS IDENTIFICATION:

#### 2.1 Classification of the Substance or Mixture

**Classification under CHIP:** R10; Xi; R37; N; R51/53; -; R66; -; R67

**Classification under CLP:** STOT SE 3: H336; Aquatic Chronic 2: H411; Flam. Liq. 3: H226; STOT SE 3: H335

**Most important adverse effects:** Flammable. Irritating to respiratory system. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

#### 2.2 Label Elements

##### Label elements under CLP:

**Hazard statements:** H226: Flammable liquid and vapour.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness  
H411: Toxic to aquatic life with long lasting effects.

**Signal words:** Warning

**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark  
GHS09: Environmental



**Precautionary statements:** P271: Use only outdoors or in a well ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.  
P304+380: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTRE or doctor if you feel unwell.

##### Label elements under CHIP:

**Hazard pictograms:** Irritant.  
Dangerous for the environment



**Risk phrases:** R10: Flammable.  
R37: Irritating to respiratory system.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S2: Keep out of the reach of children.  
S29: Do not empty into drains.  
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.



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### 2. HAZARDS IDENTIFICATION continued:

#### 2.3 Other Hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

#### 3.2 Mixtures

##### Hazardous ingredients:

##### 2-METHOXY-1-METHYLETHYL ACETATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-603-9	108-65-6	-: R10 Substance with a Community workplace exposure limit	Flam. Liq. 3: H226	10-30%

##### HYDROCARBONS, C9, AROMATICS

-	918-688-5	Xi: R37; N: R51/53; Xn: R65; -: R66; -: R67; -: R10	Flam. Liq. 3: H226; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; STOT SE 3: H336; STOT SE 3: H335	10-30%
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##### MESITYLENE

203-604-4	108-67-8	-: R10; Xi: R37; N: R51/53	Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	1-10%
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##### CUMENE

202-704-5	98-82-8	-: R10; Xi: R37; N: R51/53; Xn: R65	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; Aquatic Chronic 2: H411	<1%
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##### 2-METHOXYPROPYL ACETATE

274-724-2	70657-70-4	T: R61; -: R10; Xi: R37	Flam. Liq. 3: H226; Repr. 1B: H360D; STOT SE 3: H335	<1%
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### 4. FIRST AID MEASURES:

#### 4.1 Description of First Aid Measures

**Skin Contact:** Wash immediately with plenty of soap and water. Remove contaminated clothing and seek medical attention if irritation or symptoms persist.

**Eye Contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Seek medical attention if irritation or symptoms persist.

**Inhalation:** Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

#### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

**Skin Contact:** No data available.

**Eye Contact:** There may be irritation and redness.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed/immediate effects:** No data available.

#### 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

**Immediate / special treatment:** No data applicable.

### 5. FIRE FIGHTING MEASURES:

#### 5.1 Extinguishing Media

**Extinguishing media:** Carbon dioxide.

#### 5.2 Special Hazards Arising from the Substance or Mixture

**Exposure hazards:** Burning produces toxic fumes.

#### 5.3 Advice for Firefighters

**Advice for fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.



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### 6. ACCIDENTAL RELEASE MEASURES:

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

**Personal precautions:** Wear suitable personal protective equipment. Ensure adequate ventilation of working area. Eliminate all sources of ignition. Evacuate personnel to a safe area.

#### 6.2 Environmental Precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

#### 6.3 Methods and Material for Containment and Cleaning Up

**Clean-up procedures:** Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled waste container for disposal. Clean spillage area thoroughly with plenty of water.

#### 6.4 Reference to Other Sections

**Reference to other sections:**

### 7. HANDLING AND STORAGE:

#### 7.1 Precautions for Safe Handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Keep away from sources of ignition – No smoking.

#### 7.2 Conditions for Safe Storage, Including any Incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep containers tightly closed. Keep away from direct sunlight. Store in correctly labelled containers.

**Suitable packaging:** Must only be kept in original packaging.

#### 7.3 Specific End Use(s)

**Specific end use(s):** PC9a: Coatings and paints, thinners, paint removers.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

#### 8.1 Control Parameters

**Hazardous ingredients:** 2-MTHOXY-1-METHYLETHYL ACETATE

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	274 mg/m <sup>3</sup>	548 mg/m <sup>3</sup>	-	-
MESITYLENE				
UK	25 ppm	-	-	-
CUMENE				
UK	125 mg/m <sup>3</sup>	250 mg/m <sup>3</sup>	-	-
2-METHOXYPROPYL ACETATE				
UK	28 mg/m <sup>3</sup>	112 mg/m <sup>3</sup>	-	-

#### DNEL/PNEC Values

**DNEL/PNEC:** No data available

#### 8.2 Exposure Controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.  
**Respiratory Protection:** Respiratory protection not required.  
**Hand Protection:** PVC gloves. Nitrile gloves.  
**Eye Protection:** Safety goggles.  
**Skin Protection:** Protective clothing, PVC.  
**Environmental:** Prevent from entering in public sewers or the immediate environment.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES:

#### 9.1 Information on Basic Physical and Chemical Properties

<b>State:</b>	Liquid.
<b>Colour:</b>	White.
<b>Odour:</b>	Characteristic odour.
<b>Viscosity:</b>	Non-viscous
<b>Boiling Point/range °C:</b>	>35
<b>Flash Point °C:</b>	35

#### 9.2 Other Information

**Other Information:** No data available.

### 10. STABILITY AND REACTIVITY:

#### 10.1 Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

#### 10.2 Chemical Stability

**Chemical Stability:** Stable under normal conditions.

#### 10.3 Possibility of Hazardous Reactions

**Possibility of Hazardous reactions:** Not applicable.

#### 10.4 Conditions to Avoid

**Conditions to avoid:** Heat, direct sunlight, hot surfaces. Sources of ignition. Flames

#### 10.5 Incompatible Materials

**Materials to avoid:** No data available.

#### 10.6 Hazardous Decomposition Products

**Haz. decomp. products:** In combustion emits toxic fumes.

### 11. TOXICOLOGICAL INFORMATION:

#### 11.1 Information on Toxicological Effects:

##### Hazardous ingredients:

##### 2-METHOXY-1-METHYLETHYL ACETATE

IPR	MUS	LD50	750	mg/kg
ORAL	RAT	LD50	8532	mg/kg

##### HYDROCARBONS, C9, AROMATICS

DERMAL	-	LD50	>3160	mg/kg
ORAL	RAT	LD50	3492	mg/kg

##### MESITYLENE

IPR	GPG	LDLO	1303	mg/kg
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##### CUMENE

ORL	MUS	LD50	12750	mg/kg
ORL	RAT	LD50	1400	mg/kg

##### Relevant effects for mixture:

Effect	Route	Basis
Irritation	INH	Hazardous: calculated.



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### 11. TOXICOLOGICAL INFORMATION continued:

#### Symptoms/routes of exposure:

<b>Skin contact:</b>	No data available.
<b>Eye contact:</b>	There may be irritation and redness.
<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Delayed/immediate effects:</b>	No data available.
<b>Other information:</b>	Not applicable.

### 12. ECOLOGICAL INFORMATION:

#### 12.1 Toxicity

**Ecotoxicity values:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 12.2 Persistence and Degradability

**Persistence and degradability:** No data available.

#### 12.3 Bioaccumulative Potential

**Bioaccumulative potential:** No data available.

#### 12.4 Mobility in Soil

**Mobility:** No data available.

#### 12.5 Results of PBT and vPvB Assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

#### 12.6 Other adverse effects

**Other adverse effects:** No data available.

### 13. DISPOSAL CONSIDERATIONS:

#### 13.1 Waste Treatment Methods:

<b>Disposal operations:</b>	Dispose of in compliance with all local and national regulations.
<b>Recovery operations:</b>	Not applicable.
<b>Disposal of packaging:</b>	Dispose of in compliance with all local and national regulations.
<b>NB:</b>	The user's attention is drawn to the possible existence of regional or national Regulations regarding disposal.

### 14. TRANSPORT INFORMATION:

<b>14.1 UN Number:</b>	UN1263
<b>14.2 UN Proper Shipping Name:</b>	PAINT
<b>14.3 Transport Hazard Class(es):</b>	3
<b>14.4 Packing Group:</b>	Packing Group: 111
<b>14.5 Environmental Hazards:</b>	Environmental Hazards: Yes Marine Pollutant: Yes
<b>14.6 Special Precautions for user:</b>	Tunnel code: D/E Transport category: 3 IMDG seg. Group: F-E-S-E

### 15. REGULATORY INFORMATION:

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** The Chemicals (Hazard Information and Packaging) Regulations applied in the UK.  
The COSHH Regulations applied in the UK.  
The Health and Safety at Work Act applied in the UK.



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### 16. OTHER INFORMATION:

<b>Other Information:</b>	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. *indicates text in the SDS which has changed since the last revision.	
<b>Phrases used in s.2 and s.3:</b>	H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H360D: May damage the unborn child. H411: Toxic to aquatic life with long lasting effects. R10: Flammable. R34: Causes burns. R37: Irritating to respiratory system. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61: May cause harm to the unborn child. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness	
<b>Legend to abbreviations:</b>	PNEC = predicted no effect concentration. LD50 = median lethal dose. EC50 = median effective concentration. dw = dry weight cc = closed cup MUS = mouse RBT = rabbit HMN = human PGN = pigeon SCU = subcutaneous DRM = dermal OPT = optical PCP = physico-chemical properties	DNEL = derived no effect level. LC50 = median lethal concentration. IC50 = median inhibitory concentration. bw = body weight oc = open cup GPG = guinea pig HAM = hamster MAM = mammal IVN = intravenous SKN = skin OCC = ocular/corneal INH = inhalation

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.