

## Safety Data Sheet

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name **PRIMER NO 6**

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

Intended use **Primer**

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

Name **ACC Silicones LTD**  
Full address **Amber House Showground Road**  
District and Country **TA6 6AJ Bridgwater (Somerset)**  
**England**  
Tel. **+44(0)1278411400**  
Fax **+44(0)1278411444**

e-mail address of the competent person responsible for the Safety Data Sheet **sean.stoodley@acc-silicones.com**

#### 1.4. Emergency telephone number

For urgent inquiries refer to **+44(0)1278411400**

### 2. Hazards identification.

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

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

#### 2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication:

Flam. Liq. 3	H226
Eye Dam. 1	H318
Skin Irrit. 2	H315

#### 2.1.2. Directive 67/548/EEC and following amendments and adjustments.

Danger Symbols:	--
R phrases:	10

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

#### 2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: **Danger**



## Hazard statements:

**H226** Flammable liquid and vapour.  
**H318** Causes serious eye damage.  
**H315** Causes skin irritation.

## Precautionary statements:

**P264** Wash . . . thoroughly after handling.  
**P280** Wear protective gloves / protective clothing / eye protection / face protection.  
**P303+P361+P353** IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
**P310** Immediately call a POISON CENTER or doctor / physician.

**Contains:** TETRA N BUTYL TITANATE

**2.3. Other hazards.**

Information not available.

**3. Composition/information on ingredients.****3.1. Substances.**

Information not relevant.

**3.2. Mixtures.****Contains:**

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).	
<b>TETRAKIS (2-BUTOXYETHYL) ORTHOSILICATE</b>				
CAS.	18765-38-3	5 - 10	Xi R38	Skin Irrit. 2 H315
EC.	242-560-0			
INDEX.	-			
<b>TETRA N BUTYL TITANATE</b>				
CAS.	5593-70-4	5 - 10	Xi R38, Xi R41	Flam. Liq. 3 H226, Eye Dam. 1 H318, Skin Irrit. 2 H315
EC.	-			
INDEX.	-			

T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

**4. First aid measures.****4.1. Description of first aid measures.**

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

INHALATION: Remove to open air. If breathing is irregular, seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

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

For symptoms and effects caused by the contained substances see chap. 11.

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

Information not available.

**5. Firefighting measures.****5.1. Extinguishing media.**

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

None in particular.



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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

### 5.3. Advice for firefighters.

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and antistatic), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

## 6. Accidental release measures.

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

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see the other sections of this sheet. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

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

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## 7. Handling and storage.

### 7.1. Precautions for safe handling.

Do not smoke while handling and use.

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

Store in a well ventilated place, keep far away from sources of heat, bright flames and sparks and other sources of ignition.

### 7.3. Specific end use(s).

Information not available.

## 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Name	Type	Country	TWA/8h		STEL/15min		
			mg/m3	ppm	mg/m3	ppm	
ETHYL SILICATE	OEL	IRL		10		30	
	TLV-ACGIH		85	10			

### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration. Personal protection equipment must comply with the rules in force indicated below.

#### HAND PROTECTION

Protect hands with category II (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitril or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

#### EYE PROTECTION





Wear hood visor or protective visor together with airtight goggles (ref. standard EN 166).

**SKIN PROTECTION**

Wear category II professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

**RESPIRATORY PROTECTION**

If the threshold value (if available) for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an B or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141).

The use of respiratory tract protection equipment, such as masks like that indicated above, is necessary to reduce worker exposure in the absence of technical measures. The protection provided by masks is in any case limited.

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 138).

An emergency eye washing and shower system must be provided.

**9. Physical and chemical properties.****9.1. Information on basic physical and chemical properties.**

Appearance	liquid
Colour	straw-coloured
Odour	characteristic of solvent
Odour threshold.	Not available.
pH.	Not available.
Melting or freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	28 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Specific gravity.	0.825 Kg/l
Solubility	immiscible with water
Partition coefficient: n-octanol/water	Not available.
Ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Reactive Properties	Not available.

**9.2. Other information.**

Information not available.

**10. Stability and reactivity.****10.1. Reactivity.**

There are no particular risks of reaction with other substances in normal conditions of use.

**10.2. Chemical stability.**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions.**

No hazardous reactions are foreseeable in normal conditions of use and storage.

**10.4. Conditions to avoid.**

None in particular, however the usual precautions used for chemical products should be respected.

**10.5. Incompatible materials.**

Information not available.

**10.6. Hazardous decomposition products.**

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

**11. Toxicological information.****11.1. Information on toxicological effects.**

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

TETRAKIS (2-BUTOXYETHYL) ORTHOSILICATE  
LD50 (Oral): 2000 mg/kg

**12. Ecological information.**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

**12.1. Toxicity.**

TETRAKIS (2-BUTOXYETHYL) ORTHOSILICATE  
LC50 (96h): 20100 mg/l

**12.2. Persistence and degradability.**

Information not available.

**12.3. Bioaccumulative potential.**

Information not available.

**12.4. Mobility in soil.**

Information not available.

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

Information not available.

**12.6. Other adverse effects.**

Information not available.

**13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**14. Transport information.**

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

**PRIMER NO 6****Road and rail transport:**

ADR/RID Class: 3 UN: 1993  
Packing Group: III  
Label: 3  
Nr. Kemler: 30  
Limited Quantity: 5 L  
Tunnel restriction code: (D/E)  
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (OCTAMETHYLTRISILOXANE; TETRA N BUTYL TITANATE)  
Special Provision: 640E

**Carriage by sea (shipping):**

IMO Class: 3 UN: 1993  
Packing Group: III  
Label: 3  
EMS: F-E , S-E  
Marine Pollutant: NO  
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (OCTAMETHYLTRISILOXANE; TETRA N BUTYL TITANATE)

**Transport by air:**

IATA: 3 UN: 1993  
Packing Group: III  
Label: 3  
Cargo:  
Packaging instructions: 366 Maximum quantity: 220 L  
Pass.:  
Packaging instructions: 355 Maximum quantity: 60 L  
Special Instructions: A3  
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (OCTAMETHYLTRISILOXANE; TETRA N BUTYL TITANATE)

**15. Regulatory information.****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso category\_ 6

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

Point. 3 - 40

Substances in Candidate List (Art. 59 REACH).

None.

Substances subject to authorisation (Annex XIV REACH).

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment.**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**16. Other information.**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

**Flam. Liq. 3** Flammable liquid, category 3  
**Eye Dam. 1** Serious eye damage, category 1  
**Skin Irrit. 2** Skin irritation, category 2  
**H226** Flammable liquid and vapour.



**H318** Causes serious eye damage.  
**H315** Causes skin irritation.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

**R10** FLAMMABLE.  
**R38** IRRITATING TO SKIN.  
**R41** RISK OF SERIOUS DAMAGE TO EYES.

#### GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. The Merck Index. - 10th Edition
8. Handling Chemical Safety
9. Niosh - Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique (toxicological sheet)
11. Patty - Industrial Hygiene and Toxicology
12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
13. ECHA website

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

#### Changes to previous review:

The following sections were modified:

02 / 04 / 08 / 09 / 15.

