



## SAFETY DATA SHEET

### AS1701

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME AS1701

SUPPLIER ACC SILICONES LIMITED  
Amber House, Showground Rd  
Bridgwater, Somerset TA6 6AJ  
TEL: +44 (0)1278 411400  
FAX: +44 (0)1278 411444  
sdsadmin@acc-silicones.com

EMERGENCY TELEPHONE DEUTSCHLAND +49 613 3162 91880 (24hrs)  
ITALIA +39 029880913 (24hrs)  
UK +44 (0)1278 411400 (24hrs)

#### 2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
METHYLTRIMETHOXY SILANE		1185-55-3	1-5%	Xi;R36/38. F;R11.
TETRA-ISOPROPYL TITANATE		546-68-9	1-5%	Xi;R36/38. R10,R67.
VINYLTRIMETHOXY SILANE		2768-02-7	1-5%	Xn;R20. R10.

The Full Text for all R-Phrases are Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### INHALATION

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

##### INGESTION

DO NOT induce vomiting. Get medical attention immediately.

##### SKIN CONTACT

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. Get medical attention if irritation persists after washing.

##### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists continue rinsing and transport to hospital taking these instructions.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

##### SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Use pressurised air mask if product is involved in a fire.

##### SPECIFIC HAZARDS

Fire creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

#### 6 ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

##### SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

**AS1701**

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Do not use in confined spaces without adequate ventilation and/or respirator.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry, cool and well-ventilated place.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	
METHANOL	WEL	200	266	250	333	
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

(\*) Ingredient is given off as fumes.

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

**RESPIRATORY EQUIPMENT**

If ventilation is insufficient, suitable respiratory protection must be provided.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves.

**EYE PROTECTION**

Wear approved safety goggles.

**HYGIENE MEASURES**

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Paste		
COLOUR	Black		
ODOUR	Odour of alcohol		
SOLUBILITY	Immiscible with water Miscible with Aromatic solvents Chloroform Hydrocarbons.		
BULK DENSITY	1.30	FLASH POINT (°C)	>150 CC (Closed cup).
AUTO IGNITION	>400		
TEMPERATURE (°C)			

**10 STABILITY AND REACTIVITY**

**STABILITY**

No particular stability concerns.

**MATERIALS TO AVOID**

Strong oxidising substances. Water, steam, water mixtures.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Oxides of: Silicon.

**11 TOXICOLOGICAL INFORMATION**

**INHALATION**

Vapour may irritate respiratory system or lungs.

**AS1701****SKIN CONTACT**

Liquid may irritate skin.

**EYE CONTACT**

Irritation, burning, lachrymation, blurred vision after liquid splash.

**HEALTH WARNINGS**

This product has low toxicity. Only large volumes may have adverse impact on human health.

Name	TETRA-ISOPROPYL TITANATE
Toxic Dose 1 - LD 50	7460 mg/kg (oral rat)
Name	VINYLTRIMETHOXY SILANE
Toxic Dose 1 - LD 50	>7300 mg/kg (oral rat)

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product is not expected to be hazardous to the environment.

Name	VINYLTRIMETHOXY SILANE
LC 50, 96 Hrs, FISH mg/l	>100
EC 50, 48 Hrs, DAPHNIA, mg/l	>100

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**14 TRANSPORT INFORMATION**

	No transport warning sign required.		
ADR CLASS	Not classified for transportation.	MARINE POLLUTANT	No.

**15 REGULATORY INFORMATION****RISK PHRASES**

NC Not classified.

**SAFETY PHRASES**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51 Use only in well-ventilated areas.

S24/25 Avoid contact with skin and eyes.

P13 Safety data sheet available for professional user on request.

**EU DIRECTIVES**

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40.

**NATIONAL REGULATIONS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007)

**16 OTHER INFORMATION****REVISION COMMENTS**

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 21/08/2007

REV. NO./REPL. SDS GENERATED 4

**RISK PHRASES IN FULL**

R10 Flammable. , R20 Harmful by inhalation. , R11 Highly flammable. , R36/38 Irritating to eyes and skin. , R67 Vapours may cause drowsiness and dizziness.

**AS1701****DISCLAIMER**

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.