



SAFETY DATA SHEET

SILCOSET 105

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	SILCOSET 105
PRODUCT NO.	80067013
SUPPLIER	ACC SILICONES LIMITED AMBER HOUSE SHOWGROUND ROAD BRIDGWATER SOMERSET TA6 6AJ +44(0)1278 411400 +44(0)1278 411444
EMERGENCY TELEPHONE	DEUTSCHLAND +49 61316291880 FRANCE +33 160811147 ITALIA +39 029880913 UK +44(0)1278411400
EMERGENCY TELEPHONE	HONG KONG +852 3190 5112

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
TETRAETHYL SILICATE	201-083-8	78-10-4	<1%	R10 Xn;R20 Xi;R36/37

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

3 HAZARDS IDENTIFICATION

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

4 FIRST-AID MEASURES

INHALATION

Not relevant.

INGESTION

DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Wash the skin immediately with soap and 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

No specific fire fighting procedure given.

SPECIFIC HAZARDS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

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SPILL CLEAN UP METHODS

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

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

No specific usage precautions noted.

STORAGE PRECAUTIONS

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
TETRAETHYL SILICATE	OES	10 ppm	87 mg/m3	30 ppm	260 mg/m3

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

No particular ventilation requirements. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

Not relevant.

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	Viscous liquid		
COLOUR	White		
ODOUR	Slight odour of alcohol		
SOLUBILITY	Immiscible with water Miscible with Aromatic solvents Hydrocarbons. Chloroform		
BULK DENSITY	1.20	FLASH POINT (°C)	150 CC (Closed Cup)
AUTO IGNITION TEMPERATURE (°C)	>400		

10 STABILITY AND REACTIVITY

STABILITY

No particular stability concerns.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION

Name	TETRAETHYL SILICATE
Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)
Toxic Conc. - LC 50	10 mg/l/4h (inh-rat)

GENERAL INFORMATION

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

12 ECOLOGICAL INFORMATION

Name	TETRAETHYL SILICATE
LC 50, 96 Hrs, FISH mg/l	24500
EC 50, 48 Hrs, DAPHNIA, mg/l	>84400

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ECOTOXICITY

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

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.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

ADR CLASS	Not classified for transportation. MARINE POLLUTANT	No.
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15 REGULATORY INFORMATION

RISK PHRASES

NC	Not classified.
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SAFETY PHRASES

NC	Not classified.
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16 OTHER INFORMATION

REVISION DATE	7.12.04
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REV. NO./REPL. SDS GENERATED	1
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R10	Flammable.
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R20	Harmful by inhalation.
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R36/37	Irritating to eyes and respiratory system.
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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.