

BASILDON CHEMICAL COMPANY LIMITED**SAFETY DATA SHEET
BC Volatile Silicone Fluid 4****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

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2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Repr. Cat. 3;R62. R10, R53.

CLASSIFICATION (EC 1272/2008)

Physical	Flam. Liq. 3 - H226
Health	Repr. 2 - H361f
Environmental	Aquatic Chronic 4 - H413

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Warning
CONTAINS OCTAMETHYLCYCLOTETRASILOXANE

HAZARD STATEMENTS

H226	Flammable liquid and vapour.
H361f	Suspected of damaging fertility.
H413	May cause long lasting harmful effects to aquatic life.

PRECAUTIONARY STATEMENTS

P273	Avoid release to the environment.
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SUPPLEMENTARY PRECAUTIONARY STATEMENTS

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.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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P281	Use personal protective equipment as required.
P303/361/353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308/313	IF exposed or concerned: Get medical advice/attention.
P370/378	In case of fire: Use ... for extinction.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...

PHYSICAL AND CHEMICAL HAZARDS

The product may form explosive vapours/air mixtures even at normal room temperatures.

3 COMPOSITION/INFORMATION ON INGREDIENTS

OCTAMETHYLCYCLOTETRASILOXANE	60-100%
CAS-No.: 556-67-2	EC No.: 209-136-7
CLASSIFICATION (EC 1272/2008) Repr. 2 - H361f Aquatic Chronic 4 - H413	CLASSIFICATION (67/548) Repr. Cat. 3;R62 R53

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

4 FIRST-AID MEASURES**INHALATION**

Fresh air. Get medical attention.

INGESTION

Get medical attention.

EYE CONTACT

No recommendation given, but first aid may still be required in case of accidental exposure of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Larger fires: Foam. Small fires: Water spray, foam, dry powder or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

SPECIFIC HAZARDS

Fire or high temperatures create: Oxides of: Carbon.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid contact with eyes. Provide good ventilation. Avoid inhalation of vapours.

BC Volatile Silicone Fluid 4**STORAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Take precautionary measures against static discharges. Keep containers tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**RESPIRATORY EQUIPMENT**

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

No specific hand protection noted, but gloves may still be advisable.

EYE PROTECTION

Wear approved safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Odourless		
BOILING POINT (°C)	~ 175	MELTING POINT (°C)	~ 17
VAPOUR PRESSURE	~ 0.12 kPa +20°C	EVAPORATION RATE	< 1
FLASH POINT (°C)	~ 55 PM Closed cup.	AUTO IGNITION TEMPERATURE (°C)	~ 400
FLAMMABILITY LIMIT - LOWER(%)	~ 0.75	FLAMMABILITY LIMIT - UPPER(%)	~ 7.4

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

When heated, toxic and corrosive vapours/gases may be formed.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 > 2000 mg/kg (oral rat)

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Skin irritation is not anticipated when used normally.

EYE CONTACT

May cause temporary eye irritation.

SPECIFIC EFFECTS

Contains a substance/a group of substances which may impair fertility.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

BIOACCUMULATION

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

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

14 TRANSPORT INFORMATION

BC Volatile Silicone Fluid 4



UK ROAD CLASS	3		
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (OCTAMETHYLCYCLOTETRASILOXANE)		
UN NO. ROAD	1993	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	36
ADR LABEL NO.	3 & 6.1	HAZCHEM CODE	3W
CEFIC TEC(R) NO.	30GFT1-III	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1993
IMDG CLASS	3	IMDG PACK GR.	III
EMS	F-E, S-D	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1993
AIR CLASS	3	AIR SUB CLASS	6.1
AIR PACK GR.	III		

15 REGULATORY INFORMATION

16 OTHER INFORMATION

REVISION DATE 29/11/2010

REV. NO./REPL. SDS 5

GENERATED

RISK PHRASES IN FULL

- R53 May cause long-term adverse effects in the aquatic environment.
- R62 Possible risk of impaired fertility.

HAZARD STATEMENTS IN FULL

- H413 May cause long lasting harmful effects to aquatic life.
- H361f Suspected of damaging fertility.

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.