

MATERIAL: TSF 50CS SILICONE FLUID

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Product Name:** Silicone Oil 50 cs
- 1.2 Supplier:** Techsil Ltd
34 Bidavon Industrial Estate
Waterloo Road
Bidford on Avon
Warwickshire
B50 4JN
Tel: +44(0)1789 773232
Fax: +44(0)1789 774239
Email: sales@techsil.co.uk
- 1.3 Emergency Telephone:** +44(0)7971 228794

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the Substance or Mixture:**
Regulation (EC) No 1272/2008
The mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
Classification according to Directive 67/548/EEC or 1999/45/EC
Hazard Symbols
Not dangerous
- 2.2 Label Elements:**
Product Identifier
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
Signal Word
None
- 2.3 Other Hazards:**
No information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**
Not applicable
- 3.2 Mixtures:**
None known based on information supplied

SECTION 4: FIRST AID MEASURES

- 4.1 Description of First Aid Measures:**
General advice
When in doubt or if symptoms are observed, get medical advice.
Inhalation
Remove to fresh air
Skin contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact
If substance enters the eyes, immediately rinse with plenty of water for several minutes.
Ingestion
Clean mouth with water and drink afterwards plenty of water
- 4.2 Most Important Symptoms and Effects, both Acute and Delayed:**
Symptoms
None known

Contact Details

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

Note to physicians

Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media:

Suitable Extinguishing Media

Use Carbon dioxide (CO₂). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

5.2 Special Hazards Arising from the Substance or Mixture:

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Hazardous combustion products

Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x)

5.3 Advice for Firefighters:

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Personal precautions

Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Evacuate personnel to safe areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2 Environmental Precautions:

See Section 12 for additional Ecological Information.

6.3 Methods and Material for Containment and Cleaning-Up:

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

6.4 Reference to Other Sections:

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2 Conditions for Safe Storage, Including and Incompatibilities:

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel.

7.3 Specific End Use(s):

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Exposure Limits

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This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available.

8.2 Exposure Controls:

Engineering controls

Ensure adequate ventilation, especially in confined areas

Personal Protective equipment

Eye / Face equipment

Wear safety glasses with side shields (or goggles)

Hand protection

Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin & Body protection

Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Glove must conform to standard EN 374.

Respiratory protection

None under normal use conditions.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Physical State	Liquid
Appearance	No information available
Colour	Colourless
Odour	Characteristic
Odour threshold	No information available

Property	Values	Remarks / Method
pH		No information available
Melting point / freezing point		No information available
Boiling point / boiling range	> 150°C / 302°F	
Flash Point	> 150°C / > 302 °F	
Evaporation Rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapour pressure	No data available	@ 20°C
Vapour density		No information available
Specific gravity	Approx. 0.970 g/cm3	@ 20°C
Water solubility	No data available	@ 20°C
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition Temperature		No information available
Decomposition temperature		No information available
Kinematic Viscosity	No data available	@ 40°C
Dynamic viscosity	No data available	@ 40°C
Explosive Properties	No information available	
Oxidizing properties	No information available	

Contact Details

9.2 Other Information:

Information not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No data available

10.2 Chemical Stability:

Stable under normal conditions

10.3 Possibility of Hazardous Reactions:

None under normal processing

10.4 Conditions to Avoid:

None known based on information supplied.

10.5 Incompatible Materials:

Incompatible with oxidizing agents. Acids. Bases.

10.6 Hazardous Decomposition Products:

If this product is heated to > 150°C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation No data available

Eye Contact No data available

Skin Contact No data available

Ingestion No data available

Oral LD50

>5000 mg/kg Rat

Dermal LD50

>2008 mg/kg Rat

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.

Skin corrosion/irritation No information available

Serious eye damage/eye irritation No information available

Sensitization No information available

Germ Cell Mutagenicity No information available

Carcinogenicity No information available

Reproductive Toxicity No information available

STOT – single exposure No information available

STOT – repeated exposure No information available

Aspiration hazard No information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Product Information

Acute (short-term) algae toxicity

EC50 No information available

EC0 No information available

IC50 No information available

IC0 No information available

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ErC50	No information available
EbC50	No information available
Acute (short-term) fish toxicity	
LC50	No information available
LC0	No information available
EC50	No information available
EC0	No information available

Acute (short-term) aquatic invertebrate toxicity	
EC50	No information available
EC0	No information available

Chronic (long-term) algae toxicity	
NOEC	No information available
LOEC	No information available

Chronic (long-term) fish toxicity	
NOEC	No information available
LOEC	No information available

Chronic (long-term) aquatic invertebrate toxicity	
NOEC	No information available
LOEC	No information available

12.2 Persistence and Degradability:

No information available

12.3 Bioaccumulative Potential:

No information available.

12.4 Mobility in Soil:

No information available.

12.5 Results of PBT and vPvB Assessment:

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other Adverse Effects:

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBC's or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number:

Not regulated

14.2 UN Proper Shipping Name:

N/A

14.3 Transport Hazard Class(es):

N/A

14.4 Packing Group:

N/A

14.5 Environmental Hazards:

N/A

14.6 Special Precautions for User:

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None

14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health & Environmental Regulations/Legislation Specific for the Substance or Mixture:

National Regulations

See section 8 for national exposure control parameters

Storage Class 10

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents

International Inventories

All of the components in the product are on the following inventory lists TSCA (United States_., Europe (EINECS/ELINCS/NLP)

15.2 Chemical Safety Assessment:

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: OTHER INFORMATION

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 other 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 themselves as to the suitability of such information for their particular use.

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