

MATERIAL: TECHSIL[®] RTV27905 GEL PART A

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

- 1.1 Product Name:** Techsil[®] RTV27905 Gel Part A
1.2 Product Use: Silicone Gel
1.3 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
- 1.4 Emergency Telephone:** +44(0)7971 228794

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the Substance or Mixture:**
The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).
Hazard classification and indication: -
- 2.2 Label Elements:**
Hazard pictograms -
Signal words -
Hazard statements -
Precautionary statements -
- 2.3 Other Hazards:**
On the basis of the available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**
The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.
- 3.2 Mixtures:**
Information not relevant.

SECTION 4: FIRST AID MEASURES

- 4.1 Description of First Aid Measures:**
Not specifically necessary. Observance of good industrial hygiene is recommended.
- 4.2 Most Important Symptoms and Effects, both Acute and Delayed:**
No episodes of damage to health ascribable to the product have been reported.
- 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed:**
Information not available.

Contact Details

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media:

SUITABLE EXTINGUISHING EQUIPMENT

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

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2 Special Hazards Arising from the Substance or Mixture:

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products

5.3 Advice for Fire-fighters:

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 and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29, and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental Precautions:

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and Material for Containment and Cleaning-Up:

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provision 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

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for Safe Storage, Including and Incompatibilities:

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific End Use(s):

Information not available.

SECTION 8: HANDLING AND STORAGE

8.1 Control Parameters:

Information not available

8.2 Exposure Controls:

Comply with the safety measures usually applied when handling chemical substances.

Hand Protection	None Required
Skin Protection	None Required
Eye Protection	None Required
Respiratory Protection	None Required, unless otherwise in the chemical risk assessment

Contact Details

Environmental Exposure Controls The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:	Liquid
Colour:	Transparent
Odour:	No Odour
Odour threshold:	Not Available
pH.:	Not Available
Melting point/freezing point:	Not Available
Initial boiling point:	Not Available
Boiling range:	Not Available
Flash point:	>180°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
Relative density:	Not Available
Solubility:	Immiscible with water
Partition coefficient : n-octanol/water	Not Available
Auto-ignition temperature:	>400°C
Decomposition temperature:	Not Available
Viscosity:	Not Available
Explosive properties:	Not Available
Oxidising properties:	Not Available

9.2 Other Information:

Information not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

There are no particular risks of reaction with other substance 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:

Information not available.

SECTION 11: TOXICOLOGICAL INFORMATION

According to currently available data, this product has not yet produced health damages. Anyway, it must be handle according to good industrial practices.

Contact Details

11.1 Information on Toxicological Effects:
Information not available

SECTION 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:

Information not available

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:

On the basis of the available data, the product does not contain and PBT or vPvB in percentage greater than 0.1%.

12.6 Other Adverse Effects:

Information not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Reuse when possible. Neat product residues should be considered special non-hazardous waste. 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.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number:

Not applicable

14.2 UN Proper Shipping Name:

Not applicable

14.3 Transport Hazard Class(es):

Not applicable

14.4 Packing Group:

Not applicable

14.5 Environmental Hazards:

Not applicable

14.6 Special Precautions for User:

Not applicable

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:

Seveso category.

None.

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

None.

Substances in Candidate List (Art.59 REACH).

None

Contact Details

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Substances subject to authorisation (Annex XIV REACH)

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention

None

Healthcare controls.

Information not available.

15.2 Chemical Safety Assessment:

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

SECTION 16: OTHER INFORMATION

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CLP: EC Regulation (1272/2008)
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Global Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent Bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very Bioaccumulative as for REACH Regulation.

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European parliament
 2. Regulation (EU) 1272/2008 (CLP) of the European parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European parliament
 4. Regulation (EU) 2015/830 of the European parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European parliament
- The Merck Index. – 10th Edition
 - Handling Chemical Safety
 - INRS – Fiche Toxicologique (toxicological sheet)

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- Patty – Industrial Hygiene & Toxicology
- N.I Sax – Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

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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MATERIAL: TECHSIL® RTV27905 GEL PART B

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

- 1.1 Product Name:** Techsil® RTV27905 Gel Part B
1.2 Product Use: Silicone Gel
1.3 Supplier: Techsil Ltd
34 Bidavon Industrial Estate
Waterloo Road
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- 1.4 Emergency Telephone:** +44(0)7971 228794

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the Substance or Mixture:**
The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).
Hazard classification and indication: --
- 2.2 Label Elements:**
Hazard pictograms -
Signal words -
Hazard statements -
Precautionary statements -
- 2.3 Other Hazards:**
On the basis of the available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**
Information not relevant
- 3.2 Mixtures:**
The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

SECTION 4: FIRST AID MEASURES

- 4.1 Description of First Aid Measures:**
Not specifically necessary. Observance of good industrial hygiene is recommended.
- 4.2 Most Important Symptoms and Effects, both Acute and Delayed:**
No episodes of damage to health ascribable to the product have been reported.
- 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed:**
Information not available.

SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing Media:**
SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

Contact Details

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2 Special Hazards Arising from the Substance or Mixture:

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products

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 and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29, and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental Precautions:

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and Material for Containment and Cleaning-Up:

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provision 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

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for Safe Storage, Including and Incompatibilities:

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific End Use(s):

Information not available.

SECTION 8: HANDLING AND STORAGE

8.1 Control Parameters:

Information not available

8.2 Exposure Controls:

Comply with the safety measures usually applied when handling chemical substances.

Hand Protection	None Required
Skin Protection	None Required
Eye Protection	None Required
Respiratory Protection	None Required, unless otherwise in the chemical risk assessment
Environmental Exposure Controls	The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Contact Details

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance:	Liquid
Colour:	Transparent
Odour:	No Odour
Odour threshold:	Not Available
pH.:	Not Available
Melting point/freezing point:	Not Available
Initial boiling point:	Not Available
Boiling range:	Not Available
Flash point:	>180°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
Relative density:	0.970 Kg/l
Solubility:	Immiscible with water
Partition coefficient : n-octanol/water	Not Available
Auto-ignition temperature:	>400°C
Decomposition temperature:	Not Available
Viscosity:	Not Available
Explosive properties:	Not Available
Oxidising properties:	Not Available

9.2 Other Information:

Information not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

There are no particular risks of reaction with other substance 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:

Information not available.

SECTION 11: TOXICOLOGICAL INFORMATION

According to currently available data, this product has not yet produced health damages. Anyway, it must be handle according to good industrial practices.

11.1 Information on Toxicological Effects:

Information not available

Contact Details

SECTION 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:

Information not available

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:

On the basis of the available data, the product does not contain and PBT or vPvB in percentage greater than 0.1%.

12.6 Other Adverse Effects:

Information not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Reuse when possible. Neat product residues should be considered special non-hazardous waste.

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.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number:

Not applicable

14.2 UN Proper Shipping Name:

Not applicable

14.3 Transport Hazard Class(es):

Not applicable

14.4 Packing Group:

Not applicable

14.5 Environmental Hazards:

Not applicable

14.6 Special Precautions for User:

Not applicable

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:

Seveso category.

None.

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

None.

Substances in Candidate List (Art.59 REACH).

None

Substances subject to authorisation (Annex XIV REACH)

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

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Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention

None

Healthcare controls.

Information not available.

15.2 Chemical Safety Assessment:

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

SECTION 16: OTHER INFORMATION

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CLP: EC Regulation (1272/2008)
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Global Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent Bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very Bioaccumulative as for REACH Regulation.

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 2. Regulation (EU) 1272/2008 (CLP) of the European parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European parliament
 4. Regulation (EU) 2015/830 of the European parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European parliament
- The Merck Index. – 10th Edition
 - Handling Chemical Safety
 - INRS – Fiche Toxicologique (toxicological sheet)
 - Patty – Industrial Hygiene & Toxicology
 - N.I Sax – Dangerous properties of Industrial Materials-7, 1989 Edition
 - ECHA website

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