

# Material Safety Data Sheet

## 1. Identification

**Product Name & Synonyms:** Transil 40-1  
**Product Supplier:** Mouldlife Ltd.  
Miro House  
Western Way (West)  
Bury St Edmunds  
Suffolk  
IP33 3SP  
**Telephone Contact No.:** 01638 750 679

## 2. Hazards Identification

**Adverse human health effects:** Slightly irritating to eyes and skin.  
**Physical and Chemical Hazards:** Combustible.  
During storage flammable vapours may be released. Flammable or explosive vapour/air mixtures may be formed. (Hydrogen).  
**Further Hazards:** Silicon-hydrogen bond (Si-H)  
Hazardous reactions may occur on contact with certain chemicals.  
(Refer to the list of incompatible materials section 10: "Stability-Reactivity").  
**Specific Hazards:** According to EC criteria, this product is not classified as a "hazardous preparation".

## 3. Composition and Ingredients

| Name | Content | CAS # | EC # | Classification |
|------|---------|-------|------|----------------|
|      |         |       |      |                |

## 4. First Aid Measures

**Inhalation:** Not specifically applicable.  
**Skin Contact:** Remove all contaminated clothing and footwear. Wash with soap and water. In case of inflammation (redness, irritation) obtain medical attention. Show this sheet to the doctor.  
**Eye Contact:** Rinse with running water whilst keeping the eyes wide open (at least 15 minutes).  
**Ingestion:** NEVER attempt to induce vomiting. Rinse mouth out with water. Do not give anything to drink.

## 5. Fire Fighting Measures

### Extinguishing Media:-

**Suitable:** Foam, carbon dioxide  
**DO NOT USE:** Alkaline Powders, Strong Water Jet  
**Special fire fighting procedures:** Cool down the containers/equipment exposed to heat with a water spray.  
**Specific Hazards:** Combustible liquid. For further information, refer to section 10: "Stability and Reactivity".  
Hydrogen may be released.  
**Protection of Fire-Fighters:** Self-contained breathing apparatus.

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## 6. Accidental Release Measures

|                                   |   |
|-----------------------------------|---|
| <b>Environmental Precautions:</b> | Do NOT discharge into drains (explosive hazard). For a large spillage, contain the spillage by bunding.   |
| <b>Personal Precautions:</b>      | Mechanically ventilate the spillage area. Remove all incompatible materials as quickly as possible: - alkalis and caustic products.<br>Remove all sources of ignition.<br>Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.<br>Personal protective equipment:<br>- safety glasses.<br>- PVC gloves.  |
| <b>Clean-Up Procedures:</b>       | <b><u>Recovery</u></b><br>Collect up the product and place it in a spare container which is:-<br>- suitably labelled and tightly closed.<br>- equipped with a degassing device.<br>Keep the recovered product for subsequent disposal.<br>Use flame-proof equipment.<br><b><u>Neutralization</u></b><br>Absorb residues with:-<br>- dry sand or dry inert absorbent.<br>Do NOT use products which are basic.<br><b><u>Cleaning/Decontamination</u></b><br>Decontaminate and wash the floor with: -<br>- an appropriate solvent.<br>(non basic/alkaline). (cf. : § 9)<br>Then wash with plenty of water.<br><b><u>Disposal</u></b><br>Incinerate contaminated materials at an authorized installation. |

## 7. Handling and Storage

### **USAGE ADVICE:**

#### **Engineering Measures:**

Ventilation.

#### **Safe Handling Advice:**

Do not mix with incompatible materials (See list section 10).

Comply with instructions for use (refer to technical sheet).

Only use in well-ventilated areas.

### **STORAGE ADVICE:**

#### **Engineering Measures:**

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Ensure that there is a suitable retention system.

Storage facilities should be: equipped with ventilation at high level.

#### **Storage Conditions:**

Store:-

- only in the original container (with a breathing bung).

- away from any source of ignition.

- away from incompatible materials.

- in a well-ventilated area

#### **Incompatible products**

Incompatible products : Alkalis and caustic products.

Chemical compounds with mobile hydrogen.

Strong oxidizing agents.

Refer to the detailed list of incompatible materials (section 10 "Stability/Reactivity").

- Steel drums varnished with Epikote (with a breathing bung).

#### **Packaging:**

#### **Packaging Materials**

#### **Recommended**

Coated steels.

Plastic materials (polyethylene, polypropylene).

#### **Not suitable**

Materials other than those recommended.

Uncoated metals.

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## 8. Exposure Controls

| Name | Std | TWA – 8hrs | STEL – 15 min | Notes |
|------|-----|------------|---------------|-------|
|      |     |            |               |       |
|      |     |            |               |       |

**Engineering Measures:** All handling to take place in well-ventilated area. Provide adequate general and local exhaust ventilation.

**Hand Protection:** Protective gloves made of PVC.  
Protective gloves must be chosen according to the function of the work station: other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity required.

**Eye Protection:** Safety Spectacles

**Other Protection:** Wear appropriate clothing to prevent any possibility of skin contact.  
Eye fountain. Safety shower.

## 9. Physical and Chemical Properties

|                                 |   |                                   |  |
|---------------------------------|---|-----------------------------------|--|
| <b>Appearance:</b>              | Viscous Liquid  | <b>Colour:</b>                    | Colourless, Translucent                                |
| <b>Odour:</b>                   | None  | <b>Relative Density @23°C:</b>    | 1.10 g/cc  |
| <b>Viscosity@20°C:</b>          | -   | <b>Volatile Content:</b>          | <20%   |
| <b>Flash Point:</b>             | Not determined.<br>According to the data on the components > 100 °C | <b>Auto-ignition Temperature:</b> | Hydrogen 400 °C<br>(Spontaneous ignition temperature). |
| <b>Explosive Limits in air:</b> | Lower: Hydrogen 4% (Volume)<br>Upper: Hydrogen 74% (Volume)         |                                   |  |

## 10. Stability and Reactivity

**Stability:** Stable at room temperature.

**Conditions to avoid:** Avoid heat, flames and other sources of ignition. Avoid contact with acids.

**Materials to avoid:** Reacts with:  
- strong oxidizing agents. A fire or explosion hazard arises since highly flammable gas (hydrogen) is released when it is in contact with :  
- alkalis and caustic products.  
- chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.  
- strong oxidizing agents. (Quantity of hydrogen potentially released: 5 l/kg of product).

**Hazardous decomposition products:** On storage:  
May release a highly flammable gas (Hydrogen) which gives rise to fire and explosion hazards.

On combustion or on thermal decomposition (pyrolysis) releases:  
(Carbon oxides (CO + CO<sub>2</sub>)). amorphous silica

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## 11. Toxicological Information

**Specific Local Effects:** Repeated or prolonged contact may cause slight irritation to the skin.  
May cause slight temporary irritation to ocular mucous membranes.  
Not classified as irritating to skin and eyes  
(by calculation according to the conventional method) (internal evaluation)

**Specific Effects – Mutagenicity:** (Data available only for some components)  
No genotoxic potential was observed in tests performed on the components of the preparation.

## 12. Ecological Information

**Mobility:  
(Expected Behaviour)** Ultimate destination of the product: Soil and Sediment

**Ecotoxicity:** Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 13. Disposal Considerations

### RESIDUES OF PRODUCT:

**Prohibition:** Discharging waste into rivers and drains is forbidden.

**Destruction/Disposal:** Dispose of at a licensed waste collection point.

### CONTAMINATED PACKAGING:

**Decontamination/cleaning** Allow it to drain thoroughly.  
Rinse with an appropriate solvent.  
Recover the solvent used for rinsing and incinerate at a licensed site.

**Destruction/Disposal** Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.  
Recycle following cleaning or dispose of at an authorised site.  
NOTE: The user's attention is drawn to the possible existence of local regulations regarding disposal.

## 14. Transport Information

### INTERNATIONAL REGULATIONS:

|                        |           |  |
|------------------------|-----------|--|
| <b>Land: Rail/Road</b> | RID/ADR   | NOT Restricted   |
| <b>Sea:</b>            | IMO/IMDG  | NOT Restricted   |
| <b>Air:</b>            | ICAO-IATA | Transport by air is FORBIDDEN if the packaging has a breathing/venting bung. |

### OTHER REGULATIONS:

**United Kingdom: Rail/Road** NOT Restricted

**NOTE:** The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

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## 15. Regulatory Information

### LABELLING

**EC Regulations:**

Mandatory labelling (self-classification) of hazardous preparations: **NOT APPLICABLE**

**Identification of the hazardous Product:**

**NOT APPLICABLE**

**R Phrases:**

**No R Phrases**

**S Phrases:**

**No S Phrases**

**Additional Phrases:**

Safety Data Sheet available on request for professional users

**Note:**

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. Other Information

**Recommended uses and restrictions:**

This product is only intended for industrial use.

**Registration Numbers:**

The polymers are not listed in the EINECS inventory. The monomers corresponding to the polymer(s) in this preparation are registered in the EINECS inventory. All the other constituents of this preparation are registered in the EINECS inventory.

This Safety Data Sheet has been prepared and supplied in accordance with the **Chemicals (Hazard Identification and Packaging) Regulations 1994** as amended for use by persons capable of understanding the information contained herein for the protection of the health and safety of users.

It is therefore important that this data sheet is passed to the appropriate person so that the information may be acted upon if necessary.

**NOTE:** This SDS has been prepared from information we believe to be reliable, however it is provided without warranty, expressed or implied, as to its correctness. Since the conditions of handling, storage, use and disposal of this material are beyond our control we accept no responsibility whatsoever for any loss, damage or expense which results from the handling, storage, use or disposal of this material.