



HEALTH AND SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product Name **Geoflex Solvent Cleaner.**
Supplier Tiflex Limited
Tiflex House
Liskeard, Cornwall
PL14 4NB.
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2. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | CAS No. | Approx. % | Hazard Classification and Risk Phrases |
|-------------|---------|-----------|--|
| Propan-2-ol | 67-63-0 | >70% | F, Xi, R11, R36, R67 |

3. HAZARDS IDENTIFICATION

Highly Flammable.

Eyes: Causes irritation.
Skin: May cause mild irritation. Prolonged and repeated skin contact may cause defatting resulting in dermatitis.
Inhalation: May cause coughing, drowsiness, dizziness, nausea, headaches and vomiting.
Ingestion: May cause general narcotic effects, dizziness, drowsiness, nausea and vomiting. Ingestion of large doses may lead to alcoholism.

4. FIRST AID MEASURES

Eye Contact: Wash eye thoroughly with running water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
Skin Contact: Remove contaminated clothing and wash the affected area thoroughly with warm soap and water. Obtain medical advice if irritation persists.
Inhalation: Remove to fresh air at once, keep warm and at rest. Obtain medical advice.
Ingestion: DO NOT induce vomiting. Wash mouth out with water, give water to drink. Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Carbon Dioxide, dry chemical powder, sand or alcohol resistant foam.
DO NOT USE HIGH POWERED WATER JET.
Hazardous Combustion Products: Oxides of carbon.
Personal Protection: Self contained breathing apparatus.

6. SPILLAGE AND ACCIDENTAL RELEASE MEASURES

Spill clean up methods: Remove all sources of heat and ignition. Absorb with sand or earth or other inert material. Place in a suitable container for disposal. Wear appropriate PPE (see section 8).

7. HANDLING AND STORAGE

Handling Precautions: Ensure good ventilation at all times, Local Exhaust Ventilation may be required. Do not breathe vapour. Avoid all sources of heat or ignition.

Storage: Store in Flammable Storage. Store in a cool, dry place away from sources of heat and ignition. Use non-sparking tools and earth straps. Store in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

| Ingredient | STD | 8 hr TWA | STEL | CAS No |
|-------------|-----|-------------------------------|--------------------------------|---------|
| Propan-2-ol | WEL | 400 ppm 999 mg/m ³ | 500 ppm 1250 mg/m ³ | 67-63-0 |

Respiratory Protection: Type approved RPE for organic vapours if required.

Eye Protection: Safety goggles.

Hand Protection: Nitrile or Butyl rubber gloves.

Skin Protection: Overalls and boots.

Always wash thoroughly after handling chemicals.

9. PHYSICAL CHARACTERISTICS

| | | | |
|-----------------------------|---------------------------|-------------------------------|-----------------------|
| Form: | Clear, colourless liquid. | Explosive Limits: | 2.5 - 12.7% |
| Odour: | Alcoholic. | Vapour Pressure: | 4.16 kPa @ 20°C |
| Boiling Point/Range: | 79 - 82°C | Relative Density: | 0.785-0.825 @ 20°C |
| Melting Point/Range: | ca - 88°C | Solubility in Water: | Miscible |
| Flash Point: | 12°C open cup method. | Solubility in Solvent: | Miscible with alcohol |
| Auto ignition Temp: | >400°C | Viscosity: | 3.057 cST @ 20°C |

10. STABILITY AND REACTIVITY

Avoid heat, sparks, flames and other sources of ignition.
Avoid strong oxidising agents and moisture.

11. TOXICOLOGICAL INFORMATION

LD50 ORL Rat: 5840 mg/Kg

LD50 SKIN Rabbit: >12800 mg/Kg

Eyes: Causes irritation.

Skin: Prolonged or repeated skin contact may cause defatting, resulting in dermatitis and secondary infections.

Inhalation: May produce general narcotic effects similar to drunkenness - Central nervous system depression, drowsiness, dizziness, disorientation, behavioural changes and hypotension.

Ingestion: May produce general narcotic effects similar to drunkenness - Central nervous system depression, drowsiness, dizziness, disorientation, behavioural changes and hypotension.

12. ECOLOGICAL INFORMATION

| | |
|-----------------------------------|---|
| Mobility: | Soluble in water, product is volatile and will partition to the air phase. |
| Degradability: | BOD ₂₀ >78% ThOD |
| Bioaccumulative Potential: | Not expected to bioaccumulate, predicted BCF=1 |
| Aquatic Toxicity: | LC ₅₀ , Fathead minnow = 9600 mg/L LC ₅₀ , 24h, Daphnia >10000 mg/L Water endangering classification =WGK 1 |

13. DISPOSAL CONSIDERATIONS

| | |
|-------------------|---|
| Substance: | Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| Container: | Same as above. Used containers must not be cut up or punctured until completely empty of product residues. |

14. TRANSPORTATION INFORMATION

| | | | |
|------------------------|------------------|-------------------------------|-------|
| UN Number: | 1219 | H.I.Number: | 33 |
| Primary Hazard: | Flammable Liquid | Class/Item Number: | 3 |
| Packing Group: | II | Emergency Action Code: | 2[Y]E |

15. REGULATORY INFORMATION

Hazard Symbols:



F

Highly Flammable



Xi

Irritant

| | | |
|------------------------|-----------|---|
| Risk Phrases: | R11 | Highly Flammable. |
| | R36 | Irritating to eyes. |
| | R67 | Vapours may cause drowsiness and dizziness. |
| Safety Phrases: | S7 | Keep container tightly closed. |
| | S16 | Keep away from sources of ignition - No smoking. |
| | S24/25 | Avoid contact with skin and eyes. |
| | S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| E.C. Number: | 200-661-7 | |

Note: Use of this material may be governed by the following regulations:
Highly Flammable liquid regulations 1972.
User's are advised to consult these regulations for further information.

16. OTHER INFORMATION

Information on this Health and Safety Data Sheet is drawn from a variety of sources, including raw material suppliers data, and other published sources.

This 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 as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy his/herself as to the suitability of such information for his/her own particular use. This product falls within the scope of the Control of Substances Hazardous to Health (COSHH) Regulations. Users are reminded that this document does not in itself constitute an assessment of workplace risk as required by those regulations.