

Material Safety Data Sheet T.A.V. SOLVENT

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155EEC.

1. **Identification**
Chemical Description Halogenated solvent

2. **Composition**
Chloroform CAS No. 67-66-3 90% Isopropanol CAS No 67-63-0 10%

3. **Hazards Identification**
Flammable Harmful if swallowed, irritating to skin. Danger of serious damage to health by prolonged exposure through inhalation and if swallowed

4. **First Aid Measures**
 - Eye Contact
 - Irrigate thoroughly with water. If discomfort persists obtain medical attention.
 - Inhalation
 - Remove from exposure. In severe cases obtain medical attention.
 - Skin Contact
 - Wash off skin thoroughly with soap & water.
 - Ingestion
 - Wash out mouth thoroughly with water and give plenty of water to drink. Obtain medical attention.

5. **Fire Fighting Measures**
Extinguishing Media Water, dry powder or vaporising liquids. May evolve toxic fumes in fire

6. **Accidental Release Measures**
Wear appropriate protective clothing. Shut of all sources of ignition. Inform others to keep at a safe distance. Absorb spill on an inert absorbent, transfer to container and arrange removal by disposal company.

7. **Handling and Storage**
Do not use metal equipment or containers. Take precautions against static discharge. Store at room temperature and protect from sunlight.

8. **Exposure controls / Personal Protection (as appropriate to quantities handled)**

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|------------------------|---|
| Protective Equipment | Goggles or face-shield, rubber or plastic gloves, plastic apron, sleeves and boots if handling large quantities |
| Respiratory Protection | Self-contained breathing apparatus |
| Ventilation | Fume cupboard |

9. **Physical and Chemical Properties**

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|--------------------------|-------------------|
| Appearance/Form | Colourless Liquid |
| Melting Point | n/a |
| Flash Point (degC) | No data |
| Boiling Point | n/a |
| Auto-ignition Temp(degC) | No data |
| Solubility in water | Slightly soluble |

10. **Stability and Reactivity**

| | |
|----------------------------|--|
| Stability | Stable |
| Reaction with Water | None |
| Other Known Hazards | Hazardous decomposition products: - Hydrochloric acid, phosgene, chlorine peroxides |
| Avoid Contact With - Water | (no) Acids (yes) Bases (no) Oxidisers (yes) Combustibles (no) |

11. **Toxicological information**

| | |
|-----------------|--|
| Toxicity | Inhalation may cause: coughing, dyspnoea. Ingestion may cause: Nausea, vomiting, damage to liver |
| | Absorption may cause: spasms, narcosis. Eye and skin contact may cause: Irritation. |
| Carcinogenicity | Carcinogen, category 3 |
| Mutagenicity | May cause adverse mutagenic or teratogenic effects. |
| Exposure | May cause embryotoxic effects. Pregnant women should not be exposed to this product. |

12. **Ecological Information**
Marine and/or freshwater pollutant. Do not allow to enter drinking water supplies, waste water or soil.

13. **Disposal Considerations**
Dispose of in accordance with local authority requirements or pass to chemical disposal company.

14. **Transportation Information**

| | | | |
|------------------------|----------------|---------|------------|
| Correct Technical Name | Not Restricted | UN No | 1888 |
| IMDG | class 6.1 | IATA | 1888 |
| Packing group | 11 | IMO | 6.1/188 |
| Packing group | 11 | ADR/RID | 6.1,15"(b) |

15. **Regulatory Information**

| | |
|--------------------|---|
| Symbol | Flammable Harmful |
| Risk Phrases | R11.R22-38-40-48/20/22 |
| Safety Phrases | S7-16-36/37 |
| UK Exposure Limits | OES, Long-term, mg/m3 : 9.8 (Sk)-Chloroform |

16. Other Information

All information, recommendations and suggestions herein concerning the above product are based upon data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. The information herein should not be construed as being absolutely complete since additional information may be necessary or desirable when special or exceptional circumstances exist or because of applicable laws or regulations.

Disclaimer

The preceding is given in good faith as required under the health and safety at work act 1974, but no warranty is implied or given. The information provided is designed to enable the user to use the product safely. If the information is insufficient to ensure safety in any particular application, contact "the supplier" for further advice before proceeding.

Refer Scientific
Hareburn Terrace
Blackdog
Aberdeen
UK
AB23 8BE

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