

MATERIAL SAFETY DATA SHEET

Art Oil 01

SECTION 1 – IDENTIFICATION OF MATERIAL AND SUPPLIER

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| SUPPLIER: | British United Industries (Vic) P/L T/as SOLID SOLUTIONS. |
| ABN: | 11 006 303 591 |
| ADDRESS: | 19 Ardena Court, East Bentleigh, VIC 3165 |
| TELEPHONE: | (03) 9579 2044. |
| AH EMERGENCY TELEPHONE: | 13 1126 (Poisons Information Centre). |
| FAX: | (03) 9579 0573. |
| WEB PAGE: | www.solidolutions.com.au |
| Product Name: | Art Oil 01 |
| Product Use: | Dispersion effects oil, for use with epoxy art resins |
| Manufacturer's Product Code: | Not applicable |
| Creation Date: | 27 July 2015 |
| Revision Date: | |

SECTION 2 – HAZARDS IDENTIFICATION

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| Hazard Category: | Solid Solutions Art Oils have zero Hazard potential and has no Classification under Hazardous Chemicals. It is a stable, inert, non-reactive, odourless polymer with over 70 years human use. It is an 'Approved' Food Grade for incidental food contact listed in the British Pharmaceutical Codex. In the United States Pharmacopoeia this polymer is Approved for use in human skin cosmetics |
| Emergency Overview: | Chemically inert, engineering damping fluid, totally OK on bare skin and internal human uses but avoid contact with eyes and drawing into respiratory system. |
| Skin Contact: | No irritation expected even from extended exposure. |
| Eye Contact | Direct contact may cause temporary redness and discomfort. |
| Inhalation: | No significant effects expected from a single short-term exposure. |
| Primary Routes of Exposure: | Ingestion, inhalation and skin absorption. |
| Risk Statements: | NONE |
| Safety Statements: | NONE |

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients: | CAS Number | Proportion |
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| Alpha-(trimethylsilyl)--methylpoly[oxy-dimethylsilylene] | 9006-65-9 | >95% w/w |
| Total: | | 100% w/w |

SECTION 4 – FIRST AID MEASURES

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| First Aid Facilities Required: | Eye wash fountains and a general washing facility should be easily accessible in the immediate work area. |
| Inhalation: | No first aid should be needed. |
| Skin contact: | No first aid will be needed. |
| Eye contact: | Immediately flush with water for 5 minutes. |
| Ingestion (Swallowed): | No first aid will be needed. |
| Advice to Doctor: | With over 50 years of human use product has no recorded oral or dermal toxicity has been recorded. Can be irritating if directly introduced into the eyes. Treatment is controlled removal or exposure followed by symptomatic and supportive care. Human systemic toxicity information is not available, but expected to be extremely low. |

SECTION 5 – FIRE FIGHTING MEASURES

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| hazards from Combustion | Thermal breakdown of this product in fire or very high heat conditions may |
| Products: | evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Traces of Formaldehyde. |
| Suitable Extinguishing Media: | Carbon dioxide (CO2). Water spray. Dry chemical. Foam. Water can be used to cool fire-exposed containers. |
| Precautions for Fire Fighting: | Self-contained breathing apparatus and protective clothing should be worn in fighting any fires involving chemicals. |
| Flash Point: | >102°C (Closed Container) >350°C (Open Container) |
| Fire Hazards: | Hazardous combustion products: Upon decomposition, this product may emit carbon monoxide, carbon dioxide, phenolics, and other possibly toxic gases and vapours on burning. |
| Flammability: | Not available |

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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| Spill and Clean up: | Perforation of container results in expulsion of the contained oil. Contain oily spill which is non-volatile. Collect spill with the aid of an inert absorbent and place in suitable labeled container for disposal. |
| Environmental Precautions: | Restrict uncontrolled release to the environment. |

SECTION 7 – HANDLING AND STORAGE

Handling:

Use appropriate personal protection equipment when convenient. Avoid eye contact. Avoid breathing mist or vapour. Use only in a well ventilated area.

Whenever possible provide good extraction ventilation, particularly if area is heated. If some generation of airborne materials cannot be avoided, exhaust ventilation and/or personal protective equipment should be used if possible.

Storage:

Store pressure canister packages in a cool, dry, well-ventilated area away from incompatible materials. Protect containers against damage.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| Exposure Limits: | There are no components with workplace exposure limits. |
| Engineering Controls: | None should be needed. Control with appropriate efficient extractive exhaust ventilation if misting is discharged in occupied areas which may irritate eyes. |
| Personal Protection: | Respiratory protective equipment: Avoid breathing vapour (or) spray mist. Suitable organic cartridge respirator in high temperature applications where misting or vapour can occur, or there is potential for airborne exposures to reach levels of discomfort. Eye protection: None needed. Safety glasses as an extreme. |
| Comments | When heated to temperatures above 300 degrees C in the presence of air, product can possibly form formaldehyde vapours. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapour concentrations within the OSHA Permissible Exposure Limit for formaldehyde. |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description/ Properties:

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| Appearance: | Clear, water-white, oily polymer |
| Colour: | Clear |
| Odour: | Nearly nil, is a non-volatile organic compound with no odour detectible |
| pH: | Not applicable – Water insoluble |
| Vapour Pressure: | Ca. 0.02 hPa @ 20°C. |
| Vapour Density: | Not available. |
| Boiling Point/ Range: | >300°C. |
| Freezing/ Melting Point: | -50°C |
| Solubility in Water: | Insoluble. |
| Specific Gravity: | 0.96 at 25°C. |
| Flammability Limits: | Not applicable. |
| Ignition Temperature: | Not available. |
| Other Properties: | |
| Volatile Organic Compounds (VOC) Content: | 0 % v/v. |
| Per Cent Volatile: | 0 % v/v. |
| Stability: | Stable under normal conditions. |

SECTION 10 – STABILITY AND REACTIVITY

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| Chemical Stability: | Stable at normal temperatures and pressure. |
| Conditions to Avoid: | None |
| Materials to Avoid: | None Known |
| Hazardous Decomposition: | Thermal decomposition may produce the following as acrid vapour; Carbon oxides and traces of incompletely burned carbon compounds; Silicon dioxide; Hydrogen; Formaldehyde. |
| Hazardous Polymerisation: | Will not occur |
| Conditions to Avoid | Oxidizing material can cause a reaction. |

SECTION 11 – TOXICOLOGICAL INFORMATION

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| Health Effects: | Based on an identical polymer, this material has low acute oral and dermal toxicity. Primary eye irritation studies in rabbits on a similar material did result in a degree of temporary eye irritation. Although prolonged or continuous contact with skin is not known to cause any irritation, this oily material may be slightly irritating to the respiratory system if exposed to prolonged, unrestricted inhalation. |
| Additional Information: | Note: Epidemiology studies completed in 1977 of current and former workers with >10 years of service at similar US & UK production facilities are said to have not demonstrated any unusual pattern of mortality or disease. |

SECTION 12 – ECOLOGICAL INFORMATION

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| Degradation & Persistence: | This product, 'Dimethicone' – a polyalkylsiloxane, degrades in soil abiotically to form smaller molecules. These in turn are either biodegraded in soil or volatilised into the air where they are broken down in the presence of sunlight. Under appropriate conditions, the ultimate degradation products are inorganic silica, carbon dioxide and water vapour. Due to the very low water solubility of this product, standard OECD protocols for ready and inherent Copyright Field Performance-TRANZ Lubricants TRANZ DA1- 04 Damping Fluid page 6 of 7 biodegradability are not suitable for measuring the biodegradability of this product. The product is removed >80% during the sewage treatment process. |
| Ecotoxicity: | Hazard Parameters _(LC50/EC50) High Medium Low Acute Aquatic Toxicity (mg/L) <=1 >1 and <=100 >100 Acute Terrestrial Toxicity <=100 >100 and <= 2000 >2000 |
| Fish Toxicity: | Based on analogy to similar materials this product is expected to exhibit low toxicity to aquatic organisms. |
| Toxicity to Microorganisms: | Experiments show that when sewage sludge containing polymeric alkylsiloxanes are added to soil, it has no effect on soil microorganisms, earthworms or subsequent crops grown in the soil. |
| Additional Ecological Information: | None Available |
| General: | DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT |

SECTION 13 – DISPOSAL CONSIDERATIONS

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| | Dispose of waste at an approved chemical disposal facility in compliance with all current local, State/Commonwealth and Federal laws and regulations. Care should be taken to dispose of the container in a responsible manner and in accordance with applicable regulations. |
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SECTION 14 – TRANSPORT INFORMATION

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| Road & Rail Transport: | This material is not a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |
| UN Number: | Not applicable. |
| UN Proper Shipping Name: | Not applicable. |
| ADG Class: | Not applicable. |
| Packing Group: | III |
| HAZCHEM Code: | None |
| Flammability: | Non-flammable liquid. Combustible Liquid C1. Product may burn in a fire situation generating toxic vapours or fumes. |
| Marine & Air Transport: | This material could be a Marine Pollutant and is Not a Dangerous Good for Marine and Air Transport. |
| UN Number: | Not applicable. |
| UN Proper Shipping Name: | Not applicable. |
| DG Class: | Not applicable. |
| Packing Group: | III. |
| HAZCHEM Code: | None |

SECTION 15 – REGULATORY INFORMATION

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| SUSDP: | |
| AICS: | All ingredients present on AICS. |
| Labelling Details: | N/A |
| Hazard Category: | N/A |
| Risk Statements: | N/A |
| Safety Statements: | N/A |
| ADG Code | Not applicable. |



SECTION 16 – OTHER INFORMATION

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| Acronyms: | SUSDP | - Standard for the Uniform Scheduling of Drugs and Poisons. |
| | ADG Code | - Australian Code for the Transport of Dangerous Goods by Road and Rail. |
| | CAS Number | - Chemical Abstracts Service Registry Number. |
| | UN Number | - United Nations Number. |
| | HAZCHEM | - An emergency action code of numbers and letters which gives information to emergency services. |
| | ASCC | - Australian Safety and Compensation Council. |
| | AICS | - Australian Inventory of Chemical Substances. |
| Issue Date: | 27 July 2015. | |

Supersedes Issue Date:

Revision Information:

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| Contact Point: | Regulatory Affairs Manager. |
| Telephone: | (03) 9579 2044. |
| Note: | Safety Data Sheets are updated frequently. Please ensure that you have a current copy. |
| Disclaimer: | This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since Solid Solutions cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. This SDS does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. |

