

SULTAN Healthcare
Material Safety Data Sheet

0077100MS

| 1. Product and Company Identification | |
|---|---|
| Product Name: genie™ VPS Tray Adhesive | MSDS Code Number: 0077100MS |
| Ref. No. 77100 | Date of Last Revision: 12/12/08 |
| Chemical Name: Silicone Adhesive | Manufacturer: SULTAN Healthcare |
| C.A.S. Number: N/A | Address: 411 Hackensack Avenue 9th Floor Hackensack NJ 07601 http://www.sultanhealthcare.com |
| Grades or Minor Variant Identities: Not Applicable | Information Telephone Number: (201)871-1232 |
| Product Use (for Canada): Not Applicable | Emergency Telephone Number: Call Infotrac 1-800-535-5053 Outside the US call collect 1-352-323-3500 |

| 2. Composition Of Ingredients | | | |
|--------------------------------------|----------------------|------------------------|----------|
| Hazardous Components | C.A.S. Number | Exposure Limits | % |
| Ethyl Acetate | 141-78-6 | 400 ppm | <60 |

| 3. Hazard Identification | | | | | |
|--|--|--|-----------------------------------|---|-----------------------------|
| Emergency Overview: Material is irritating to eyes, respiratory system and skin. Breathing vapors may cause drowsiness and dizziness. | | | | | |
| Routes of Exposure | Signs and Symptoms | Single, Repeated, or Lifetime Exposure | Severity (Mild, Moderate, Severe) | Acute and Chronic Health Effect(s) | Target Organ(s) |
| Eye | Material can cause irritation | Single | Severe | Eye Irritation | Yes |
| Skin | Material may be an irritant and may be absorbed through the skin. | Single & Repeated | Mild | Irritation, Repeated exposure may cause defatting and drying of skin. | Yes |
| Inhalation | Vapor and/or mist may irritate nose and throat. Overexposure by inhalation may cause drowsiness, dizziness, confusion or loss of coordination. | Repeated | Moderate | Overexposure by inhalation may injure the following organs: Lungs, liver kidneys, blood | Lungs, liver kidneys, blood |
| Ingestion | May cause irritation of the digestive tract and vomiting. | Single & Repeated | Moderate | Repeated ingestion or swallowing large amounts may injure internally. | No |
| Other Central Nervous System | Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |
| Medical Conditions Aggravated by Exposure: Open sores and wounds of the skin. Individuals with known sensitivity to silicones used in Dental impression materials. | | | | | |
| Carcinogenicity NTP?: Not Listed IARC monographs?: Not Listed OSHA regulated?: No All components of this product are in compliance with the inventory listing Requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. | | | | | |
| Potential Environmental Effects: Do not allow to enter sewers / surface or ground water. | | | | | |
| NFPA Hazard Classification Ratings (Scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 Specific Hazard = None | | | | | |

| 4. First Aid Measures | | | |
|---|--|-----------------------------|-----------------|
| Routes of Exposure | First Aid Instructions | Immediate Medical Attention | Delayed Effects |
| Eye | Immediately flush with water for 15 minutes. Get medical attention. | Not Applicable | Not Applicable |
| Skin | Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist. | Not Applicable | Not Applicable |
| Inhalation | Remove to fresh air. Get medical attention if effects persists. | Not Applicable | Not Applicable |
| Ingestion | Get medical attention. Do not induce vomiting. | Not Applicable | Not Applicable |
| Other | Not Applicable | Not Applicable | Not Applicable |
| Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically. | | | |

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5. Fire and Explosion Data

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| Flashpoint Method: Pensky-Martens Closed Cup Flash Point: <-5°C (<23°F) | Flammable (Explosive) Limits in Air LEL: 2.2% UEL: Not determined | Autoignition Temperature: Not Determined | Other: Not Applicable |
| Flame Propagation or Burning Rate (for Solids): Not Applicable | Properties Contributing to Fire Intensity: Not Applicable | Flammability Classification: 3 | |
| Extinguishing Media: CO ₂ , extinguishing powder or water spray. Fight larger fires with dry chemical, foam, or water spray. | | Extinguishing Media to Avoid: Water with full jet | |
| Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices. | | | |
| Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors. | | | |
| Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. | | | |

6. Accidental Release Measures

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| Containment Techniques: Wear protective clothing and absorb spill with inert material (e.g. vermiculite, sand, earth), then place material in suitable labeled plastic or metal container. | | |
| Spill/Leak Clean-up Procedures and Equipment: Remove ignition sources. Wear protective clothing and absorb spill with inert material (e.g. vermiculite, sand, earth), then place material in suitable labeled plastic or metal container. Avoid gorse skin contact to minimize the possibility of contact with dermatitis to susceptible persons. Ensure adequate ventilation. | | |
| Evacuation Procedures: Not Applicable | Special Instructions: Not Applicable | Reporting Requirements: Not Applicable |

7. Handling and Storage

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| Handling Practices and Warnings: Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals. Use with adequate ventilation. Avoid eye exposure. Avoid skin contact. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Do not take internally. |
| Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store away from food and beverages. Static electricity will accumulate and may ignite vapors. Keep container closed and away from heat, sparks and flame. |

8. Exposure Control / Personal Protection

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| Ventilation: None required during normal intended use of this product | | Other Engineering Controls: Local ventilation if large amounts are used. |
| Routes of Entry | Personal Protective Equipment (PPE) for Normal Use | PPE for Emergencies |
| Eye/Face | Safety glasses | Not Applicable |
| Skin | The glove material has to be impermeable and resistant to the product. | Not Applicable |
| Inhalation | Not required for normal volumes used in Dental office. | Not Applicable |
| Body Protection | Protective work clothing | Not Applicable |
| General Hygiene Considerations and Work Practices: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with eyes and skins. | | |
| Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable | | |
| Other Protective Measures and Equipment: Not Applicable | | |

9. Physical and Chemical Characteristics

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| Appearance: Viscous purple liquid with characteristic odor | Odor: Sweet solvent odor of ethyl acetate | |
| Normal Physical State: Liquid | Boiling Point: 63°C (145 °F) | Flash Point: <-5°C (23°F) |
| Specific Gravity: 1.02 @ 25 °C | Solubility in Water: Not determined | pH: Not Applicable due to anhydrous organic solvent. |
| Vapor Pressure (mm Hg): 94 @ 25 °C | Vapor Density (AIR=1): 3.04 | Evaporation Rate (Butyl Acetate =1): 9 |
| Other: N/A | | |

10. Stability and Reactivity Data

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| Incompatibility (Materials to Avoid): Oxidizing material can cause a reaction. | |
| Hazardous Products Produced During Decomposition: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. | |
| Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur | Conditions to Avoid: High Temperatures, ignition sources |
| Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable | Conditions to Avoid: High Temperatures, ignition sources |

11. Toxicological Information

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| Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product may be a mild irritant to the skin and mucous membranes in susceptible persons. On the eye the product has an irritating effect. |
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12. Ecological Information

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| Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Not determined. |
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13. Disposal Considerations

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State, and Local regulations.

Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

RCRA P-Series: None listed, RCRA U-Series CAS#141-78-6: Waste Number U002 (Ignitable Waste)

14. Transport Information

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|---|--|--------------------------------|
| Regulated for Shipping: Yes | Proper Shipping Name: Ethyl Acetate Solution | Packing Group: II |
| Do Changes in Quantities, packaging, or shipment method change product classification? No | Hazard Class: 3 | UN Identification Number: 1173 |

15. Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Federal Regulations: All chemical substances in this material are included on or exempted from listing on the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Hazard Symbol:

U.S. Federal Regulations: CERCLA 103 Reportable Quantity: CAS# 141-78-6: RQ is 5000 lb. final RQ; 2268 kg final RQ.

Report spills required under federal, state and local regulations

SARA Code: CAS# 141-78-6 Ethyl Acetate: fire.

Section 312 Hazard Class: Acute: Yes, Chronic: Yes, Fire: Yes, Pressure: No, Reactive: No

Section 313 Toxic Chemicals: None This product does not contain any chemicals subject to Annual Release Reporting Requirements as per Section 313 of SARA Title III and 40 CFR Part 373.

Section 302 Extremely Hazardous Substances (TPQ): None

OSHA: OSHA does not consider CAS# 141-78-6 Ethyl Acetate highly hazardous.

RCRA P-Series: None Listed

RCRA U-Series Hazardous Waste Code for CAS# 141-78-6 Ethyl Acetate: U112

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

State CAS# 141-78-6 Ethyl Acetate can be found on the following state right to know lists: New Jersey, Pennsylvania, and Massachusetts.

CAS# 68440-70-0 is on the following state right to know lists: New Jersey, and Pennsylvania.

U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.

WGK (Water Danger/Protection) CAS# 141-78-6 Ethyl Acetate

Canada – DSL/NDSL CAS# 141-78-6 Ethyl Acetate is listed on Canada’s DSL List.

Canada – WHMIS This product has a WHMIS Classification of B2.

Canadian Ingredient Disclosure List: CAS# 141-78-6 Ethyl Acetate, is listed on the Canadian Ingredient Disclosure List.

International Regulations: Canadian Environmental Protection Act:

This product is a medical device and not subject to chemical notification requirements.

European Community Labeling: in accordance with EC Directives: International Regulations: Hazard Symbol: Flammable XI F Risk Phrases: R11 Highly Flammable, R36 Irritating to Eyes, R66 Repeated exposure may cause dryness or cracking, R67 Vapors may cause drowsiness and dizziness. Safety Phrases: S9 Keep container in a well –ventilated place, S16 Keep away from sources of ignition – No Smoking, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S33 Take precautionary measures against static discharge.

European Inventory of New and Existing Chemicals Substances (EINECS): 205-500-4 Ethyl Acetate

Other: Not Applicable

16. Other Information

To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products.