



97.000 | Total Seal MSDS

Section 1: Product identification

Manufacturer's code identification: 97.000
Product Class (use): Protective Coating
Trade Name: Seal It Pen
HMIS Information: Health: 1, Flammability: 2,
Reactivity: 0, Personal Protective Equipment: 1
4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight,
0 = Least

Section 2: Hazardous ingredients

Section 313 Supplier Notifications: Those ingredients (if any) which have an asterisk (*) preceding the CAS# are subject to the reporting requirements of section 313 of the Emergency and Planning Community Right-To-Know Act of 1986 and of 40 CFR 372.

| Ingredient(s) | Cas # % by weight | ACGIH-PPM | TLV (TWA) | OSHA-PPM |
|--------------------|-------------------|-----------|-----------|----------|
| 02 Mineral Spirits | 64741-41-9 | <50 | 100 | 500 |
| 03 PCME Acetate | 108-65-6 | <25 | No Est | No Est |

Section 3: Physical Data

Boiling Point: High: 207 °C and Low: 140 °C
Vapour Pressure: See section 2
Vapour Density: Heavier than air
Evaporation rate: Slower than Butyl Acetate
Weight per gallon: 7.7
VOC: 4.470 lb/GL less water
% Volatile by Volume: 66.98%
Volatile by weight: 61.82

Notes 1: The VOC content is determined using a percent solids basis, less water and except solvents, for adhesives, coatings and inks and the calculations of EFA Reference Method 24 or equivalent ASTM method approved by the executive office. 2. If this product contains Acetone as a VOC, the following applies: The federal EPA has delisted Acetone as a VOC. Therefore although this product contains, the VOC listed above does not include Acetone in the VOC calculation. Individual states may have other regulations. Check with your state.

| | | | |
|-------------------|-------------------|---------------------------|---------------|
| Physical State: | Liquid | Appearance: | Clear Liquid |
| Odour: | Moderate Aromatic | Odour Threshold: | Not available |
| pH: | n/a | Freezing Point: | Not estimated |
| Water Solubility: | Insoluble | Coef. of water/oil dist.: | Not available |

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Section 4: Fire and Explosion Hazard Data

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|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammability Classification: | Class 2 |
| DOT: | Combustible Liquid |
| Lowest Flash Point: | 38°C |
| Explosion Level: | Lower: 0.7, Upper: 10.2 |
| Auto Ignition Temperature: | Not determined |
| Extinguishing Media: | Use Carbon Dioxide, dry chemicals or foam |
| Special Fire Fighting Procedures: | Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self contained breathing apparatus. Fight fire from a safe distance or a protected location. |
| Heat Protection Procedures: | Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure build up which could result in container rupture. |
| Unusual Fire and Explosion Hazard: | This liquid and vapours are a dangerous fire hazard and moderate explosion hazard when exposed to heat, flame or any source of ignition. Vapours may be heavier than air and may travel along the ground to distant ignition source and flash back. Keep welding or cutting equipment away from the product. |

Section 5: Health Hazard Data

Effects of excessive over exposure:

Based on section 2 ingredients # (02) aspiration can be a hazard if this material is swallowed.

Based on Section 2 ingredients # (02) prolonged overexposure or ingestion may cause central nervous system depression / disorder.

Based on Section 2 ingredients # (02) prolonged over exposure may cause headache, nausea, vomiting, dizziness or loss of consciousness.

This product may cause nose, throat and upper respiratory tract irritation. Spray mist/vapours of spray may cause irritation to the eyes, nose, throat, upper respiratory tract, mucous membrane and skin.

Based on Section 2 ingredients # (02, 03) this product is irritating to the mucous membranes.

Based on Section 2 ingredients # (03) this product may be moderately irritating to the eyes. Exposure can cause corneal injury.

Based on Section 2 ingredients # (02) this product may cause irritation, drying, cracking or dermatitis on prolonged exposure to skin.

First Aid:

Eye Contact: Flush with luke warm water for 15 minutes. Seek physician immediately.

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Skin Contact: Flush wash with copious amounts of luke warm water. Remove contaminated clothing promptly. Contact a physician immediately.

Ingestion: Rinse mouth immediately. Give exposed individual 6 to 8 ounces of liquid. (Never give anything by mouth to an unconscious person.) Do not induce vomiting unless advised by a physician. Contact a physician immediately.

Notice: Reports have been associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Section 6: Reactivity Data

| | |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Stability: | This product is stable |
| Hazardous Polymerization | Will not occur |
| Thermal Decomposition: | In the presence of air may form oxide of carbon and various hydro-carbons. |
| Incompatibility (Materials to avoid): | Based on Section 2 Ingredients #02 this product is incompatible with strong oxidisers, acids, bases & alkalis. |
| Conditions to avoid: | Avoid exposure to sparks, open flame, hot surfaces and all sources of heat and ignition. |

Section 7: Disposal Method

Dispose of product in accordance with applicable local, county, state and federal regulations. Steps to be taken in case material is released or spilled: Stay up wind and away from spill unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for cleanup. Cover with inert material to reduce fumes. Keep out of drains, sewers, or waterways. Contact fire authorities.

Notify local health and pollution control agencies. Call spill response teams if large spill. Do not flush to sewer, watershed or waterway.

Section 8: Safe Handling and Use Information

Do not breathe spray mist/vapours (if present) of and spray paint. Wear an appropriate, properly fitted respirator (NOISH/ MSHA approved) during and after application unless air monitoring demonstrates vapour/mist levels are below applicable limits if any appear in Section 2. Follow respirator manufacturer's directions for respirator use.

Protective Gloves: Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

Respiratory Protection: Use dust mask or respirator if the concentration is high. Ventilation: Use ventilation as required to control vapour/dust/mist concentration. Avoid prolonged or repeated breathing of vapours. Hygiene Practices: wash hands thoroughly before eating and using washroom. Remove contaminated clothing immediately and do not reuse until it has been properly laundered.

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Protective Eyewear: Use safety eyewear with perforated sideshields or goggles if there is a likelihood of contact with eyes. Eyewash solutions and safety showers should be readily available in use and handling area.

Section 9: Special Precautions

Handling and Storing Precautions: Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Do not smoke in storage areas. Keep containers tightly closed when not in use. Isolate from heat, electrical equipment, sparks and open flame. Sprinkler fire protection is desirable in areas or storage, handling and use. Personal should avoid inhalation of vapours or mist. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapours, liquid and/or solid), all hazard precautions given in this sheet must be observed. Do not flame cut or weld empty drums. All the components in this product are listed in the toxic substance control act (TSCA) index. The information contained herein is based on information received from our raw material suppliers and other sources and is believed to be reliable. This information is not to be taken as a warranty or representation for which iSee2 assumes legal responsibility.

Information on this form is to be used to comply with OSHA and health regulations only and may not be used or disseminated for other purposes.