

Safety Data Sheet

January 2020

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PFPE 501 GREASE

Distributor: SPI Supplies / Structure Probe Inc. 206 Garfield Avenue West Chester, PA 19380 Phone: 610-436-5400; 1-800-242-4774 Fax: 610-436-5755 Email: sales @2spi.com SPI Catalog #: 05120-AB

| 1. Identification of the | 1.1 Product Identifier | | |
|--------------------------------|--|------------------------------------|-----------------------------|
| Substance/Mixture and of | Material Name: Apiezon I | PEPE 501 | |
| the Company/Undertaking | Material Name. Apiczoni | 11 2 301. | |
| | 1.2 Relevant identified (| uses of the substance or mixtu | ire and uses advised |
| | against | | |
| | | erature sealing / lubricating vacu | um grease, inert. |
| | Uses advised against: N | | ani greace, north |
| | | | |
| | 1.3 Details of the suppli | er of the substance or mixture | 9 |
| | | Ltd., Hibernia Way, Trafford Par | |
| | UK. | | |
| | Telephone: +44 (0)161 86 | 64 5409. | |
| | Emergency Telephone: - | +44 (0)161 864 5439. | |
| | Email: apiezontech@mim | aterials.com. | |
| | | | |
| 2. Hazards Identification | This product is not classifi | ed as hazardous and this docun | nent has been compiled for |
| | information purposes, in accordance regulation 1907/EC/2006, Annex II, as amended | | |
| | by Regulation (EU) No. 45 | 53/2010 and OSHA hazard com | munication guidelines. |
| | 2.1 Classification of the | substance or mixture | |
| | Regulation (EC) No 1272/2008 (CLP): Not classified. | | |
| | | | |
| | 2.2 Label elements | | |
| | Regulation (EC) No 1272/2008 (CLP): No symbol or signal word. | | |
| | | | |
| | 2.3 Other hazards | | |
| | | temperatures >300°C can lead | to release of toxic and |
| | corrosive gases. | | |
| 2. Composition //nformation on | 0 Mintune | | |
| 3. Composition/Information on | 3 Mixture | | |
| Ingredients | Composition: Constituent | CAS Number | Contonto |
| | PFPE Base Oil | 69991-67-9 | Contents 75 - 85% |
| | PTFE Base Oil | 9002-84-0 | 15 - 25% |
| | All constituents are listed | | 15-25% |
| | All constituents are listed to | on the 13CA inventory. | |
| 4. First Aid Measures | 4.1 Description of first a | aid measures | |
| | Inhalation: None envisaged due to the low vapour pressure of the substance. | | |
| | Skin: Wash with soap and water. | | |
| | Eyes: Irrigate with copious amounts of water. | | |
| | Ingestion: Do not induce vomiting, obtain medical attention. | | |
| | | | |
| | 4.2 Most important symptoms and effects, both acute and delayed | | |
| | Inhalation: No known effect. | | |
| | Skin: Contact with skin may cause slight irritation. | | |
| | Eyes: Contact with eyes n | , 0 | |
| | | cause nausea and vomiting. | |
| | | mediate medical attention and | I special treatment needed |
| | No special treatment requ | | |
| | · | | |

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| 5. Fire Fighting Measures | 5.1 Extinguishing media Carbon dioxide, dry powder, foam or water fog. Do not use water jets. |
|---------------------------|--|
| | 5.2 Special hazards arising from the substance or mixture Combustion products include fluorine compounds, such as hydrogen fluoride. |
| | 5.3 Advice for fire fighters Protective equipment including breathing apparatus must be worn when approaching |
| | a fire in a confined space. |
| 6. Accidental Release | 6.1 Personal precautions, protective equipment and emergency procedures |
| Measures | Spilt product constitutes a slip hazard. Avoid contact with eyes. |
| | 6.2 Environmental precautions No special precautions required. |
| | 6.2 Methods and metarial for containment and cleaning up |
| | 6.3 Methods and material for containment and cleaning up Can be wiped from surfaces and residues cleaned with water and detergent. |
| 7. Handling and Storage | 7.1 Precautions for safe handling No special precautions required. |
| | 7.2 Conditions for safe storage, including any incompatibilities No special precautions required. |
| | 7.3 Specific end use(s) |
| | No special precautions required. |
| 8. Exposure Controls/ | 8.1 Control parameters |
| Personal Protection | At ambient temperature grease has very low volatility, so development of fumes is highly unlikely. At temperatures approaching 300°C, if thermal decomposition occurs, hydrogen fluoride, carbonyl difluoride and other toxic fumes may be released. |
| | 8.2 Exposure controls |
| | The level of controls depends on the use. In most cases very small quantities of |
| | material are used. Eye washes should be available for emergency use. Respiratory protection: None required. |
| | Hand protection: Wash hands after use. For prolonged or repeated skin contact |
| | gloves are recommended. Eye protection: Safety glasses with side-shields tested and approved under |
| | appropriate government standards such as NIOSH (US) or EN 166(EU). |
| 9. Physical and Chemical | 9.1 Information on basic physical and chemical properties |
| Properties | Appearance: Semi-solid white grease. Odour: None. |
| | pH: Not applicable. |
| | Melting point: Data not available. Initial boiling point and boiling range: >270°C. |
| | Flash point: Not flammable. |

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| | Flammability (solid, gas): Not flammable. |
|-------------------------------|---|
| | Upper/lower flammability or explosive limits: Data not available. |
| | Vapour pressure: 1.32 x 10 ⁻¹² Torr at 25°C. |
| | Vapour density: Not applicable. |
| | Relative density: 2.003 @ 25°C. |
| | Water solubility: Insoluble. |
| | Solubility: Data not available. |
| | Partition coefficient: n-octanol/water: Data not available. |
| | Auto-ignition temperature: Data not available. |
| | |
| | Decomposition temperature: Data not available. Viscosity: Not Applicable. |
| | |
| | Explosive properties: Data not available. |
| | Oxidising properties: Data not available. |
| | 9.2 Other information |
| | Not applicable. |
| 10. Stabi | lity and Reactivity 10.1 Reactivity |
| | Stable under normal conditions of use. |
| | 10.2 Chemical stability |
| | Stable under normal conditions of use. |
| | 10.3 Possibility of hazardous reactions |
| | Data not available. |
| | 10.4 Conditions to avoid |
| | Temperatures >250°C. |
| | 10.5 Incompatible materials |
| | Strong acids, alkalis and oxidizing agents; alkaline metals; alkaline earth metals; powdered metals; halogenated compounds. |
| | 10.6 Hazardous decomposition products |
| | May liberate toxic fluorine compounds (hydrogen fluoride, carbonyl fluoride) at |
| | temperatures >300°C. |
| 11. Toxicological Information | ogical Information 11.1 Information on toxicological effects |
| | Likely routes of exposure: Skin and eyes are the most likely routes for exposure. |
| | Accidental ingestion may occur. Inhalation is not expected to be a relevant route of |
| | exposure. |
| | |
| | Acute oral toxicity: Low toxicity: LD50 >2000mg/kg. |
| | Acute dermal toxicity: Expected to be of low toxicity: LD50 >2000mg/kg. |
| | Acute inhalation toxicity: Low volatility makes inhalation unlikely. |
| | Skin corrosion/irritation: Repeated and prolonged skin contact may cause dry skin |
| | or irritation. |
| | Eye corrosion/irritation: May cause transient irritation. |
| | Respiratory or skin sensitization: Not expected to be a skin sensitizer. |
| | Aspiration hazard: Not considered an aspiration hazard. |
| | Carcinogenicity/mutagenicity: Not considered a mutagenic hazard or carcinogen. |

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| | This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA. |
|-----------------------------|---|
| 12 Ecological Information | When used and/or disposed of as indicated no adverse environmental effects are |
| 12. Ecological Information | foreseen. |
| | 12.1 Toxicity |
| | Data not available. |
| | |
| | 12.2 Persistence and degradability |
| | Data not available. |
| | 12.3 Bioaccumulative potential |
| | Data not available. |
| | 12.4 Mobility in soil |
| | Data not available. |
| | |
| | 12.5 Results of PBT and vPvB assessment |
| | Data not available. |
| | 12.6 Other adverse effects |
| | No other adverse effects envisaged. |
| | |
| 13. Disposal Considerations | 13.1 Waste treatment methods |
| | Product and packaging must be disposed of in accordance with local and national |
| | regulations. Must not be incinerated due to liberation of toxic gases at temperatures |
| | >300°C. |
| 14. Transport Information | Not classified as hazardous under air (ICAO/IATA), sea (IMDG), road (ADR) or rail |
| | (RID) regulations. |
| | 14.1 UN number |
| | Not relevant. |
| | 14.2 UN proper shipping name |
| | Not relevant. |
| | |
| | 14.3 Transport hazard class |
| | Not relevant. |
| | |
| | 14.4 Packing group |
| | Not relevant. |
| | 14.5 Environmental hazards |
| | Not relevant. |
| | |
| | 14.6 Special precautions for user |
| | Not relevant. |
| | |
| | |

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| 15. Regulatory Information | 15.1 Safety, health and environmental regulations/legislation specific for the |
|----------------------------|--|
| | substance or mixture |
| | Product is not subject to Authorisation under REACH. |
| | All constituent substances in this product are listed in the TSCA inventory. |
| | |
| | 15.2 Chemical safety assessment |
| | A chemical safety assessment has been performed for this substance. |
| 16. Other Information | Compiled according to regulation 1907/EC/2006 Annex II, as amended by Regulation |
| | (EU) No.453/2010 and OSHA hazard communication guidelines. |
| | |
| | 16.1 Changes from last issue: |
| | Section 1 - Email contact details. |
| | Section 3 - Composition table. |

The information provided in this Safety Data Sheet is correct to our best knowledge, information and belief at the date of its publication. It is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.

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