

INSULFLEX®

Product: Odourless End Dip™

MATERIAL SAFETY DATA SHEET



1. Chemical product and Company identification

Emergency contact: ADL Insulflex, Inc.
(address & emergency phone numbers - Page 4)
Revised: June 2011
Chemical family: Silicone rubber
Formula: Proprietary mixture
Product description: Liquid silicone rubber

2. Composition / Information on ingredients

| Product Composition CAS Reg. No. | Approx. % Wt. | ACGIH TWA | TLV STEL | OSHA TWA | PEL STEL | Units |
|--|-------------------|--------------|-------------|-------------|-------------|------------|
| A. HAZARDOUS | NONE FOUND | | | | | |
| B. NON HAZARDOUS | | | | | | |
| Polydimethylsiloxane Silanol terminated 70131-67-8 | 25-50 | N/E | 15 | N/E | N/E | N/A |
| Trade secret component Polydimethylsiloxane Trimethyl terminated 63148-62-9 | 1-5 10-29 | N/E - | N/E N/E | N/E - | N/E N/E | N/A N/A |
| Vinyl oximino silane 2224-33-1 | 1-5 | N/E | N/E | N/E | N/E | N/A |
| Modified silicone dioxide 68611-44-9 | 2-12 | 6 | 10 | 6 | 10 | mg/m3 |
| Aminosilane 949-30-2 | 0-2 | N/E | N/E | N/E | N/E | N/A |
| Petroleum Naptha 64741-65-7 | 20-50 | N/E | N/E | N/E | N/E | |
| Calcium Caronate 471-34-1 | 5-35 | 10 | 15 | 5 | 15 | mg/m3 |

3. Hazards identification

Potential health effects
Ingestion: None known

| | |
|-------------------------------------|---|
| Skin Contact: | May cause mild skin irritation. Manufacturing experience has shown that skin hazard is not applicable in this form |
| Eye Contact: | May cause mild eye irritation. |
| Inhalation: | None known |
| Medical conditions aggravated: | None known |
| Sub-chronic (target organ) effects: | None known |
| Chronic effects/carcinogenic: | This product or one of its ingredients present 0.1% or more is NOT listed or suspected as a carcinogen by NTP, IARC or OSHA. |
| Principle routes of exposure: | None known |
| Other: | This product contains methyloxyaloxanes which <u>can generate formaldehyde upon exposure above 300°C in atmospheres which contain oxygen.</u> Formaldehyde is a skin, eye, and throat irritant. |

4. First Aid measures

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|-------------------------|--|
| Ingestion: | None known |
| Skin: | Wash thoroughly with warm water and non-abrasive soap. |
| Inhalation: | None known |
| In case of eye contact: | Flush for 15 minutes with copious quantities of lukewarm water. Seek medical attention if irritation persists. |
| Note to physician: | None known. |

5. Fire Fighting measures

| | |
|-----------------------------------|----------------------------------|
| Flash point: | >315°C or 600°F |
| Method: | COC |
| Auto-ignition temp. | Unknown |
| Flammable limits in air – upper % | N/A |
| Sensitivity to mechanical impact: | No |
| Sensitivity to static discharge: | No |
| Extinguishing media: | All standard fire fighting media |
| Special fire fighting procedures: | None known |

6. Accidental Release measures

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| In case of accidental release/spill: | Scrape up spilled material and place in an inert material for disposal. |
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7. Handling and storage

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| Precautions for handling and storage: | Cure only where appropriate ventilation systems exist. |
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8. Exposure controls / Personal protection

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|----------------------------|----------------|
| Engineering controls: | None known |
| Respiratory protection: | None required |
| Protective clothing: | Cloth gloves |
| Eye and face protection: | Safety glasses |
| Other protective measures: | None required |

Ventilation: Local exhaust ventilation not required. General mechanical suggested..

9. Physical and chemical properties

| | |
|---------------------------------|------------------------------|
| Boiling point: | N/A |
| Vapor pressure: | N/A |
| Vapor density: | N/A |
| Freezing point: | N/A |
| Melting point: | N/A |
| Physical state: | Liquid |
| Odor: | Mild |
| % Volatile by volume: | <1 |
| Evaporation rate: | <1 |
| Specific gravity: | 1.10 |
| Density: (Kg/M3) | 1100 |
| Acid/alkalinity | Unknown |
| PH: | NA |
| VOC: | NT |
| Solubility in water: | Insoluble |
| Solubility in organic solvents: | Partially soluble in Toluene |

10. Stability and reactivity

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|---------------------------|--|
| Stability: | Stable |
| Hazardous polymerization: | Will not occur. |
| Combustion products: | Carbon dioxide; carbon monoxide; silicone dioxide; formaldehyde. |
| Conditions to avoid: | None known |

11. Toxicological information

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|------------------------|---------|
| Product information: | |
| Acute Oral LD50: | Unknown |
| Acute Dermal LD50: | Unknown |
| Acute Inhalation LC50: | Unknown |
| Ames Test: | Unknown |

12. Ecological information

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|-------------------------------|---------|
| Ecotoxicological information: | Unknown |
| Chemical fate information: | Unknown |

13. Disposal considerations

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| Disposal method: | User should follow normal methods of disposal in accordance with any governmental regulations. |
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14. Transport information

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|--------------------|-------------------|
| DOT shipping name: | N/A |
| DOT Hazard Class: | Not DOT regulated |
| DOT Label: | N/A |
| UN/NA Label: | N/A |
| Placards: | N/A |
| IATA: | N/A |
| IMO IMDG code: | N/A |

| | |
|-----------------|-----|
| European Class: | |
| RID (OCTf): | N/A |
| ADR (ECE): | N/A |
| RAR (IATA): | N/A |

15. Regulatory information

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|------------------------------|--|
| SARA Section 302: | None found |
| SARA (311,312) Hazard Class: | None |
| SARA (313) Chemicals: | None |
| CPSC Classification: | NA |
| WHMIS Hazard Class: | None |
| Harmonized Code: | 3910.00 Silicones in primary form |
| ECCN: | EAR99 |
| Hazard Rating Systems | |
| HMIS: | Flammability 1, Reactivity 1, Health 1 |
| NFPA: | Flammability 1, Reactivity 1, Health 1 |

16. Other

Users are advised to ensure that this information is brought to the attention of their employees handling the product. The information given herein is believed to be reliable. However, ADL Insulflex, Inc. makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. ADL Insulflex, Inc.'s obligations shall be only as set forth in ADL Insulflex, Inc.'s standard terms and conditions of sale for this product. In no case will ADL Insulflex, Inc. be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product.

Users of ADL Insulflex, Inc. products should make their own evaluation to determine the suitability of each such product for the specific application and to establish safe handling and installation procedures.

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