

EpoxyLite® INSUL-Spray™ 7001-01 Clear

Version 3

Revision Date 06/26/2013

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : EpoxyLite® INSUL-Spray™ 7001-01 Clear
Product Use Description : Electrical Insulation

Company : ELANTAS PDG, INC.
5200 North 2nd Street
St. Louis MO 63147

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Emergency telephone number : INFOTRAC - 1-800-535-5053

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : aerosol
Hazard Summary : HARMFUL BY INHALATION.
HARMFUL IN CONTACT WITH SKIN.
IRRITATING TO EYES.
HIGHLY FLAMMABLE.

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR1910.1200)

Potential Health Effects

Eyes : Causes eye irritation.

Skin : Prolonged or repeated contact may dry skin and cause irritation.

Ingestion : May be harmful or fatal if swallowed.

Inhalation : Breathing high concentrations of vapors or mist may cause upper respiratory tract irritation and may be associated with cardiac irregularities.
May affect the brain or nervous system, causing dizziness, headache, or nausea.
Breathing this material may be harmful or fatal.

Chronic Exposure : Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.
Prolonged exposure can be harmful for certain organs, e.g.

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liver, kidneys, blood, nervous system and skin.

Aggravated Medical Condition : Respiratory disorders
Skin disorders
Kidney disorders
Liver disorders

Primary Routes of Entry : Inhalation
Skin contact

Target Organs : Eyes
Respiratory system
Skin
Liver
Kidney
Nervous system

Carcinogenicity:

| | | |
|------|-------------|-----------|
| IARC | VM&P Naptha | 8032-32-4 |
|------|-------------|-----------|

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Environmental Effects

Environmental Effects : No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Modified Epoxy Resin Solution

Hazardous components

| Component | CAS-No. | Weight percent |
|-----------|---------|----------------|
| Acetone | 67-64-1 | 30.00 - 60.00 |

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| | | |
|------------------------------|------------|---------------|
| Hydrocarbon Propellant | 68476-86-8 | 10.00 - 30.00 |
| n-Butyl acetate | 123-86-4 | 10.00 - 20.00 |
| 1-Methoxy-2-propanol acetate | 108-65-6 | 1.00 - 5.00 |
| VM&P Naptha | 8032-32-4 | 0.10 - 1.50 |

SECTION 4. FIRST AID MEASURES
First aid procedures

- Inhalation : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.
- Skin contact : In case of contact, immediately flush skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash and thoroughly clean contaminated clothing and shoes before reuse. Consult a physician.
- Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion : If swallowed, consult a physician. Never give anything by mouth to an unconscious person.

Notes to physician

- Risks : No information available.

SECTION 5. FIREFIGHTING MEASURES
Flammable properties

- Flash point : -18 °C (0 °F)
Method: Literature Value
- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry chemical
Water spray
- Unsuitable extinguishing media : No information available.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Specific hazards during firefighting : Cool closed containers exposed to fire with water spray.
The pressure in sealed containers can increase under the influence of heat.

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Hazardous decomposition products due to incomplete combustion. : Carbon oxides
nitrogen oxides (NOx)
Further information : Evacuate area and fight fire from a safe distance.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Remove all sources of ignition.
Ventilate the area.

Environmental precautions : Prevent product from entering drains.

Methods for containment : Stop leak. Dike and contain spill.

Methods for cleaning up : Absorb with inert absorbent material and dispose of in
accordance with applicable regulations.
Non-sparking tools should be used.

Additional advice : Provide adequate ventilation.
Avoid breathing vapors.
Shut off source of spill if it can be done safely.

SECTION 7. HANDLING AND STORAGE**Handling**

Handling : Pressurized container: protect from sunlight and do not expose
to temperatures exceeding 50 °C. Do not pierce or burn, even
after use.
Avoid prolonged or repeated inhalation of spray mists and
heated vapors.
Avoid contact with or breathing of vapors during curing
process.
Avoid contact with skin.
Do not get in eyes.
Sudden Release of Pressure Hazard

Advice on protection against fire and explosion : ATTENTION: Empty containers may retain hazardous residue
and explosive vapors. Do not cut, puncture, or weld on or near
this container until it has been thoroughly cleaned and all
hazards have been removed.
To avoid ignition of vapours by static electricity discharge, all
metal parts of the equipment must be grounded.

Storage

Further information on storage conditions : Store only in well-ventilated areas.
Store container out of sunlight and away from heat, sparks and

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flame.

Advice on common storage : Do not store above 49°C (120 °F).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Exposure Guidelines
Components with workplace control parameters

| Components | CAS-No. | Value | Control parameters | Update | Basis |
|-----------------|----------|-------|--------------------------------------|------------|-----------|
| Acetone | 67-64-1 | TWA | 500 ppm | 2007-01-01 | ACGIH |
| | | STEL | 750 ppm | 2007-01-01 | ACGIH |
| | | TWA | 1,000 ppm 2,400 mg/m ³ | 1997-08-04 | OSHA Z-1 |
| | | TWA | 750 ppm 1,800 mg/m ³ | 1989-01-19 | OSHA P0 |
| | | STEL | 1,000 ppm 2,400 mg/m ³ | 1989-01-19 | OSHA P0 |
| | | TWA | 250 ppm 590 mg/m ³ | 2005-09-01 | NIOSH REL |
| n-Butyl acetate | 123-86-4 | TWA | 150 ppm | 2007-01-01 | ACGIH |
| | | STEL | 200 ppm | 2007-01-01 | ACGIH |
| | | TWA | 150 ppm 710 mg/m ³ | 1997-08-04 | OSHA Z-1 |
| | | TWA | 150 ppm 710 mg/m ³ | 1989-01-19 | OSHA P0 |
| | | STEL | 200 ppm 950 mg/m ³ | 1989-01-19 | OSHA P0 |

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| | | | | | |
|------------------------------|-----------|-----|------------------------|------------|-----------|
| | | TWA | 150 ppm 710 mg/m3 | 2005-09-01 | NIOSH REL |
| | | ST | 200 ppm 950 mg/m3 | 2005-09-01 | NIOSH REL |
| 1-Methoxy-2-propanol acetate | 108-65-6 | TWA | 50 ppm | 2008-01-01 | US WEEL |
| VM&P Naptha | 8032-32-4 | TWA | 350 mg/m3 | 2005-09-01 | NIOSH REL |
| | | C | 1,800 mg/m3 | 2005-09-01 | NIOSH REL |
| | | TWA | 500 ppm 2,000 mg/m3 | 2007-01-01 | OSHA Z-1 |

Engineering measures

Engineering measures : Use with adequate ventilation.
 All application areas should be ventilated in accordance with applicable OSHA regulations. (29 CFR 1910.94)

Personal protective equipment

Eye protection : Use safety eyewear designed to protect against splash of liquids.

Hand protection : Impervious gloves

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Wear an appropriate, properly-fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates that vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use.

Hygiene measures : Wash thoroughly after handling.
 Do not get in eyes.
 Do not get on skin.
 Avoid prolonged or repeated breathing of vapour.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|---|---|
| Form | : | aerosol |
| Odor Threshold | : | no data available |
| Flash point | : | -18 °C (0 °F) Method: Literature Value |
| Ignition temperature | : | no data available |
| Lower explosion limit | : | no data available |
| Upper explosion limit | : | no data available |
| pH | : | no data available |
| Freezing point | : | no data available |
| Boiling point | : | no data available |
| Vapour pressure | : | no data available |
| Evaporation rate | : | no data available |
| Density | : | 0.8 g/cm ³ at 20 °C (68 °F) (1.013 hPa) |
| Bulk density | : | 800 kg/m ³ |
| Partition coefficient: n-octanol/water | : | no data available |
| Relative vapour density | : | no data available |

SECTION 10. STABILITY AND REACTIVITY

| | | |
|----------------------------------|---|---|
| Conditions to avoid | : | Keep away from open flames, hot surfaces and sources of ignition. |
| Materials to avoid | : | Strong oxidizing agents |
| Hazardous decomposition products | : | Carbon monoxide in a fire. Nitrogen oxides in a fire. |
| Chemical stability | : | Stable |

SECTION 11. TOXICOLOGICAL INFORMATION

| | | |
|---------------------------------|---|---|
| Acute oral toxicity (Component) | : | Component: 67-64-1 Acetone LD50 rat Dose: 9,750 mg/kg |
| | | Component: 123-86-4 n-Butyl acetate LD50 rat Dose: 10,768 mg/kg |
| | | Component: 108-65-6 1-Methoxy-2-propanol acetate LD50 rat |

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| | | |
|--|---|---|
| | | Dose: 8,532 mg/kg |
| Acute dermal toxicity (Component) | : | Component: 67-64-1 Acetone LD50 no data available |
| | | Component: 123-86-4 n-Butyl acetate LD50 rabbit Dose: > 14,000 mg/kg |
| | | Component: 108-65-6 1-Methoxy-2-propanol acetate LD50 rabbit Dose: > 5,000 mg/kg |
| Acute inhalation toxicity (Component) | : | Component: 67-64-1 Acetone LC50 no data available |
| | | Component: 123-86-4 n-Butyl acetate LC50 rat Dose: 160 ppm |
| | | Component: 108-65-6 1-Methoxy-2-propanol acetate LC50 rat Dose: > 100 ppm Exposure time: 4 h |
| | | Component: 8032-32-4 VM&P Naptha LC50 rat Dose: 3400 ppm Exposure time: 4 h |
| Skin irritation (Component) | : | Component: 123-86-4 n-Butyl acetate rabbit Result: Moderate skin irritation |
| | | Component: 108-65-6 1-Methoxy-2-propanol acetate rabbit Result: Moderate skin irritation |
| Eye irritation(Component) | : | Component: 123-86-4 n-Butyl acetate rabbit Result: Eye irritation |
| | | Component: 108-65-6 1-Methoxy-2-propanol acetate rabbit Result: Eye irritation |

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Component: 8032-32-4 VM&P Naptha
 Result: Moderate eye irritation
 largely based on human evidence

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information (Product) : no data available

Component:

n-Butyl acetate

123-86-4

Toxicity to fish:

LC50

Species: Lepomis macrochirus (Bluegill sunfish)

Dose: 100 mg/l

Exposure time: 96 h

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of in accordance with applicable Federal, State, and local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. Consult your attorney or appropriate regulatory affairs officer for information on proper disposal.

SECTION 14. TRANSPORT INFORMATION

DOT UN Number : 1950
 Proper shipping name : AEROSOLS, FLAMMABLE
 Class : 2.1
 Packing group :

IMDG UN Number : UN 1950
 Description of the goods : AEROSOLS, FLAMMABLE
 Class : 2.1
 IMDG-Labels : 2.1
 EmSNumber1 : F-D
 EmSNumber2 : S-D
 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

HMIS Classification : Health hazard: 3
 Chronic Health Hazard: *
 Flammability: 4

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Reactivity: 0
 PPI: Safety Glasses, Gloves

National Fire Protection Association (NFPA) Class : IA

Emergency Planning Community Right-To-Know (EPCRA)

SARA 302 Components : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

If listed below, this product contains toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

SARA 311/312 Hazards : Acute Health Hazard
 Chronic Health Hazard
 Fire Hazard
 Sudden Release of Pressure Hazard

CERCLA Reportable Quantity : 12,500 lbs Acetone 67-64-1

SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

Toxic Substances Control Act (TSCA)

TSCA Status : We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720.30(h).

:

Clean Air Act & Related Information

Non-volatile (Wt) : Method: Refer to the product technical data sheet for VOC information.

Non-volatile information is not a specification.

Hazardous Air Pollutants

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If not listed above, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage.

Resource Conservation and Recovery Act

EPA Hazardous Waste Code(s) : D001 Ignitable

State Laws

Massachusetts Right To Know Components : Acetone 67-64-1
 n-Butyl acetate 123-86-4

Pennsylvania Right To Know Components : Acetone 67-64-1
 Hydrocarbon Propellant 68476-86-8
 n-Butyl acetate 123-86-4
 1-Methoxy-2-propanol acetate 108-65-6

New Jersey Right To Know Components : Acetone 67-64-1
 Hydrocarbon Propellant 68476-86-8
 n-Butyl acetate 123-86-4
 1-Methoxy-2-propanol acetate 108-65-6

New Jersey Trade Secret Registry Number for the product (NJ TSRN) : NOT APPLICABLE

California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Environmental Protection Act

Domestic Substances List

DSL Status : We certify that all of the components of this product are listed on the DSL.

WHMIS Classification : D2B
 B5

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SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.