

## 1. Product and Company Identification

**Product Code:** 1405  
**Product Name:** 1405  
**Company Name:** Appli-Tec, Inc  
 7 Industrial Way Unit 1  
 Salem, NH 03079  
**Phone Number:** (603)685-0500

**Web site address:** www.appli-tec.com

**Emergency Contact:** Contact medical emergency services  
**Information:** Call Chemtrec for Transport Info. (800)424-9300  
**Intended Use:** Adhesive

## 2. Hazards Identification

**Flammable Liquids, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2A**  
**Toxic To Reproduction, Category 2**  
**Carcinogenicity, Category 2**  
**Specific Target Organ Toxicity (repeated exposure), Category 1**  
**Specific Target Organ Toxicity (single exposure), Category 3**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H225 - Highly flammable liquid and vapor.  
 H319 - Causes serious eye irritation.  
 H336 - May cause drowsiness or dizziness.  
 H351 - Suspected of causing cancer .  
 H361 - Suspected of damaging fertility or the unborn child .  
 H372 - Causes damage to organs through prolonged or repeated exposure.

**GHS Precaution Phrases:** P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233 - Keep container tightly closed.  
 P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P260 - Do not breathe vapors, mist, or spray.  
 P264 - Wash hands thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P280 - Wear protective gloves/eye protection/face protection.

**GHS Response Phrases:** P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+313 - IF exposed or concerned: Get medical attention/advice.  
 P337+313 - If eye irritation persists, get medical advice/attention.  
 P370+378 - In case of fire, use a suitable agent for flammable liquids to

extinguish.

**GHS Storage and Disposal** P403+235 - Store in cool/well-ventilated place.

**Phrases:** P405 - Store locked up.  
P501 - Dispose of contents/container according to national and local regulations.

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

**Potential Health Effects  
(Acute and Chronic):**

**Inhalation:** May be harmful if inhaled. May cause drowsiness or dizziness.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** Causes serious eye irritation.

**Ingestion:** Harmful if swallowed.

**Additional Information** 1% of the mixture consists of ingredients of unknown acute inhalation toxicity.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
78-93-3	Methyl ethyl ketone	15.0 -40.0 %
12001-26-2	Mica-group minerals	10.0 -30.0 %
1317-65-3	Limestone	10.0 -30.0 %
13463-67-7	Titanium dioxide	7.0 -15.0 %
55185-45-0	Formaldehyde, polymer with ammonia, 2-methylphenol and phenol	1.0 -5.0 %
63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	1.0 -5.0 %
1309-64-4	Antimony trioxide	1.0 -5.0 %
25085-50-1	Phenolic resin	1.0 -5.0 %
9003-18-3	Acrylonitrile/butadiene copolymer	1.0 -5.0 %
7631-86-9	Silica	0.5 -5.0 %
67-63-0	Isopropyl alcohol	0.5 -5.0 %
69-72-7	Salicylic acid	0.5 -5.0 %
1314-13-2	Zinc oxide	0.1 -1.0 %
142-82-5	Heptane	0.1 -1.0 %

**Additional Information** Exact percentages have been withheld as a trade secret.

## 4. First Aid Measures

**Emergency and First Aid Procedures:**

- In Case of Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
- In Case of Skin Contact:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash contaminated clothing before reuse.
- In Case of Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.
- Signs and Symptoms Of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Note to Physician:** Treat symptomatically and supportively.

## 5. Fire Fighting Measures

- Flash Pt:** 20.00 F
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam. Water may be ineffective.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool.
- Flammable Properties and Hazards:** No data available.
- Hazardous Combustion Products:** No data available.

## 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Ensure adequate ventilation. Isolate area and deny entry. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Use proper personal protective equipment as indicated in Section 8. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. Handling and Storage

- Precautions To Be Taken in Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Avoid breathing vapor. Avoid ingestion and inhalation.
- Precautions To Be Taken in Storing:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep from contact with oxidizing materials.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
78-93-3	Methyl ethyl ketone	PEL: 200 ppm	TLV: 200 ppm STEL: 300 ppm	No data.
12001-26-2	Mica-group minerals	PEL: 706 ppm/20 mppcf	TLV: 3 mg/m3 (R)	No data.
1317-65-3	Limestone	PEL: 15 (dust); 5 (resp.) mg/m3	No data.	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m3	TLV: 10 mg/m3	No data.
55185-45-0	Formaldehyde, polymer with ammonia, 2-methylphenol and phenol	No data.	No data.	No data.
63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	No data.	No data.	No data.
1309-64-4	Antimony trioxide	No data.	No data.	No data.
25085-50-1	Phenolic resin	No data.	No data.	No data.
9003-18-3	Acrylonitrile/butadiene copolymer	No data.	No data.	No data.
7631-86-9	Silica	No data.	No data.	No data.
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
69-72-7	Salicylic acid	No data.	No data.	No data.
1314-13-2	Zinc oxide	PEL: 5 (fume); 15 (dust) mg/m3	TLV: 2 mg/m3 (R) STEL: 10 mg/m3 (R)	No data.
142-82-5	Heptane	PEL: 500 ppm	TLV: 400 ppm	No data.

**Respiratory Equipment (Specify Type):** Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Appearance: White. Paste.  
Odor: solvent odor.

**Melting Point:** No data.

**Boiling Point:** No data.

**Flash Pt:** 20.00 F

**Evaporation Rate:** No data.

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

**Specific Gravity (Water = 1):** ~1.5

**Solubility in Water:** No data.

**Percent Volatile:** 0.0 % by weight.

**Autoignition Pt:** No data.

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Heat, flames and sparks.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Carbon monoxide, Carbon dioxide, antimony/antimony oxides.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. Toxicological Information

**Toxicological Information:** No data available.

**Carcinogenicity/Other Information:** Ingredient CAS# 1309-64-1, 13463-67-7: IARC: Group 2B carcinogen.

### 12. Ecological Information

No data available.

### 13. Disposal Considerations

**Waste Disposal Method:** Observe all federal, state, and local environmental regulations.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Resin Solution.

**DOT Hazard Class:** 3

FLAMMABLE LIQUID

**UN/NA Number:** UN1866

**Packing Group:**

II



**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Resin Solution.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Forbidden.

**15. Regulatory Information**

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
78-93-3	Methyl ethyl ketone	No	Yes 5000 LB	No
12001-26-2	Mica-group minerals	No	No	No
1317-65-3	Limestone	No	No	No
13463-67-7	Titanium dioxide	No	No	No
55185-45-0	Formaldehyde, polymer with ammonia, 2-methylphenol and phenol	No	No	No
63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	No	No	No
1309-64-4	Antimony trioxide	No	Yes 1000 LB	Yes-Cat. N010
25085-50-1	Phenolic resin	No	No	No
9003-18-3	Acrylonitrile/butadiene copolymer	No	No	Yes-Cat. N106
7631-86-9	Silica	No	No	No
67-63-0	Isopropyl alcohol	No	No	Yes
69-72-7	Salicylic acid	No	No	No
1314-13-2	Zinc oxide	No	No	Yes-Cat. N982
142-82-5	Heptane	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
78-93-3	Methyl ethyl ketone	TSCA: Yes - Inventory
12001-26-2	Mica-group minerals	TSCA: Yes - Inventory
1317-65-3	Limestone	TSCA: Yes - Inventory
13463-67-7	Titanium dioxide	TSCA: Yes - Inventory
55185-45-0	Formaldehyde, polymer with ammonia, 2-methylphenol and phenol	TSCA: Yes - Inventory
63449-39-8	Paraffin waxes and hydrocarbon waxes, chloro	TSCA: Yes - Inventory
1309-64-4	Antimony trioxide	TSCA: Yes - Inventory
25085-50-1	Phenolic resin	TSCA: Yes - Inventory
9003-18-3	Acrylonitrile/butadiene copolymer	TSCA: Yes - Inventory
7631-86-9	Silica	TSCA: Yes - Inventory
67-63-0	Isopropyl alcohol	TSCA: Yes - Inventory, 4 Test
69-72-7	Salicylic acid	TSCA: Yes - Inventory
1314-13-2	Zinc oxide	TSCA: Yes - Inventory
142-82-5	Heptane	TSCA: Yes - Inventory, 4 Test, 8A PAIR

## 16. Other Information

**Revision Date:** 05/04/2016

**Additional Information  
About This Product:** No data available.

**Company Policy or  
Disclaimer:** The information on this data sheet represents our current and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or the applicable technical bulletin, or which involves using the product in combination with any other product or any other process is the responsibility of the user.