

## 1. Product and Company Identification

**Product Code:** 0543  
**Product Name:** 0543  
**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**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Carcinogenicity, Category 2**  
**Toxic To Reproduction, Category 2**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Specific Target Organ Toxicity (repeated exposure), Category 1**  
**Aspiration Toxicity, Category 1**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H225 - Highly flammable liquid and vapor.  
 H304 - May be fatal if swallowed and enters airways.  
 H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.  
 H335 - May cause respiratory irritation.  
 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.  
 P281 - Use personal protective equipment as required.

**GHS Response Phrases:** P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 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.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P314 - Get medical attention/advice if you feel unwell.  
P331 - Do NOT induce vomiting.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P362 - Take off contaminated clothing and wash before re-use.

**GHS Storage and Disposal Phrases:** P403+235 - Store in cool/well-ventilated place.  
P405 - Store locked up.  
P501 - Dispose of contents/container according to local and national regulations.

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

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

**Inhalation:** Causes respiratory tract irritation. Harmful if inhaled.  
**Skin Contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye Contact:** Causes eye irritation.  
**Ingestion:** Harmful if swallowed.  
**Additional Information** No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
1344-28-1	Aluminum oxide	40.0 -50.0 %
NA	Liquid polysulfide polymer	<35.0 %
471-34-1	Calcium carbonate	<20.0 %
78-93-3	Methyl ethyl ketone	<10.0 %
108-88-3	Toluene	<10.0 %
1313-13-9	Manganese(IV) oxide	< 5.0 %
61788-32-7	Hydrogenated terphenyls	< 5.0 %
13463-67-7	Titanium dioxide	< 5.0 %
1318-02-1	Zeolites other than erionite (clinoptilolite, phillipsite, mordenite, non-fibrous Japanese zeolite,	< 1.0 %
14807-96-6	Talcum	< 1.0 %
1333-86-4	Carbon black	< 1.0 %
26140-60-3	Terphenyls (o-, m-, p-)	< 1.0 %
68956-74-1	Polyphenyls, quater- and higher, partially hydrogenated	< 1.0 %
546-93-0	Magnesite	< 1.0 %
102-06-7	N,N'-Diphenyl Guanidine, Coated	< 0.5 %
120-54-7	Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	< 0.5 %

**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/advice.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid immediately.
- Note to Physician:** Treat symptomatically and supportively.

## 5. Fire Fighting Measures

- Flash Pt:** ~ 30.00 C
- 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.
- 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.
- 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. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. 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:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Wash thoroughly after handling.
- Precautions To Be Taken in Storing:** Store at <= -40deg.C.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1344-28-1	Aluminum oxide	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (E)	No data.
NA	Liquid polysulfide polymer	No data.	No data.	No data.
471-34-1	Calcium carbonate	No data.	TLV: 10 mg/m3 (E)	No data.
78-93-3	Methyl ethyl ketone	PEL: 200 ppm	TLV: 200 ppm STEL: 300 ppm	No data.
108-88-3	Toluene	PEL: 200 ppm STEL: 500 ppm/(10min)	TLV: 20 ppm	No data.

		CEIL: 300 ppm		
1313-13-9	Manganese(IV) oxide	No data.	No data.	No data.
61788-32-7	Hydrogenated terphenyls	No data.	No data.	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m3	TLV: 10 mg/m3	No data.
1318-02-1	Zeolites other than erionite (clinoptilolite, phillipsite, mordenite, non-fibrous Japanese zeolite,	No data.	No data.	No data.
14807-96-6	Talcum	PEL: 706 ppm/20 mppcf	TLV: 2 mg/m3 (non-asbestos)	No data.
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3 mg/m3 (IHL)	No data.
26140-60-3	Terphenyls (o-, m-, p-)	CEIL: 1 ppm	CEIL: 5 mg/m3	No data.
68956-74-1	Polyphenyls, quater- and higher, partially hydrogenated	No data.	No data.	No data.
546-93-0	Magnesite	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (E)	No data.
102-06-7	N,N'-Diphenyl Guanidine, Coated	No data.	No data.	No data.
120-54-7	Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	No data.	No data.	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 process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended 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: Gray. Paste.  
Odor: sulfide odor.
- Melting Point:** No data.
- Boiling Point:** No data.
- Flash Pt:** ~ 30.00 C
- 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):** ~2.1

**Solubility in Water:** No data.

**Percent Volatile:** N.D.

**Autoignition Pt:** No data.

### 10. Stability and Reactivity

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

**Conditions To Avoid - Instability:** Product will cure at ambient temperatures. Keep in cold storage until ready to use.

**Incompatibility - Materials To Avoid:** No data available.

**Hazardous Decomposition or Byproducts:** Carbon oxides, sulfur oxides. Nitrogen 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.

**Irritation or Corrosion:** Skin and eye irritant.

**Chronic Toxicological Effects:** Suspected of damaging fertility or the unborn child .

**Carcinogenicity/Other Information:** Contains material which may cause cancer, based on animal data. Risk depends on level and duration of exposure.

### 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:** Adhesives.

**DOT Hazard Class:** 3 FLAMMABLE LIQUID

**UN/NA Number:** UN1133

**Packing Group:** III



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

**IMDG/IMO Shipping Name:** Adhesives.

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

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

**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)
1344-28-1	Aluminum oxide	No	No	Yes
NA	Liquid polysulfide polymer	No	No	No
471-34-1	Calcium carbonate	No	No	No
78-93-3	Methyl ethyl ketone	No	Yes 5000 LB	No
108-88-3	Toluene	No	Yes 1000 LB	Yes
1313-13-9	Manganese(IV) oxide	No	No	Yes-Cat. N450
61788-32-7	Hydrogenated terphenyls	No	No	No
13463-67-7	Titanium dioxide	No	No	No
1318-02-1	Zeolites other than erionite (clinoptilolite, phillipsite, mordenite, non-fibrous Japanese zeolite,	No	No	No
14807-96-6	Talcum	No	No	No
1333-86-4	Carbon black	No	No	No
26140-60-3	Terphenyls (o-, m-, p-)	No	No	No
68956-74-1	Polyphenyls, quater- and higher, partially hydrogenated	No	No	No
546-93-0	Magnesite	No	No	No
102-06-7	N,N'-Diphenyl Guanidine, Coated	No	No	No
120-54-7	Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	No	No	No

**CAS #      Hazardous Components (Chemical Name)      Other US EPA or State Lists**

1344-28-1	Aluminum oxide	TSCA: Yes - Inventory
NA	Liquid polysulfide polymer	TSCA: Yes - Inventory
471-34-1	Calcium carbonate	TSCA: Yes - Inventory
78-93-3	Methyl ethyl ketone	TSCA: Yes - Inventory
108-88-3	Toluene	TSCA: Yes - Inventory, 8A CAIR
1313-13-9	Manganese(IV) oxide	TSCA: Yes - Inventory
61788-32-7	Hydrogenated terphenyls	TSCA: Yes - Inventory
13463-67-7	Titanium dioxide	TSCA: Yes - Inventory
1318-02-1	Zeolites other than erionite (clinoptilolite, phillipsite, mordenite, non-fibrous Japanese zeolite,	TSCA: No
14807-96-6	Talcum	TSCA: Yes - Inventory
1333-86-4	Carbon black	TSCA: Yes - Inventory
26140-60-3	Terphenyls (o-, m-, p-)	TSCA: Yes - Inventory
68956-74-1	Polyphenyls, quater- and higher, partially hydrogenated	TSCA: Yes - Inventory
546-93-0	Magnesite	TSCA: Yes - Inventory
102-06-7	N,N'-Diphenyl Guanidine, Coated	TSCA: Yes - Inventory
120-54-7	Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	TSCA: Yes - Inventory

## 16. Other Information

**Revision Date:** 06/12/2017

**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.