

1. Product and Company Identification

Product Code: 3255A
Product Name: 3255A
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: Ink

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2A
 Toxic To Reproduction, Category 2
 Specific Target Organ Toxicity (repeated exposure), Category 2
 Aquatic Toxicity (Acute), Category 2
 Aquatic Toxicity (Chronic), Category 1
 Carcinogenicity, Category 1B



GHS Signal Word: **Danger**

GHS Hazard Phrases: H319 - Causes serious eye irritation.
 H350 - May cause cancer .
 H361 - Suspected of damaging fertility or the unborn child .
 H373 - May cause damage to through prolonged or repeated exposure.
 H410 - Very toxic to aquatic life with long lasting effects.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe vapors, mist, or spray.
 P264 - Wash hands thoroughly after handling.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P281 - Use personal protective equipment as required.

GHS Response Phrases: 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.
 P314 - Get medical attention/advice if you feel unwell.
 P337+313 - If eye irritation persists, get medical advice/attention.
 P391 - Collect spillage.

GHS Storage and Disposal Phrases: 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): Suspected of damaging fertility or the unborn child .
Eye Contact: Causes serious eye irritation.
Additional Information No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7727-43-7	Barium sulfate	20.0 -30.0 %
NA	Proprietary Glycol Ether	10.0 -20.0 %
NA	Cadmium Compounds, Inorganic	10.0 -20.0 %
NA	Proprietary Inorganic Filler	1.0 -10.0 %
14807-96-6	Talcum	1.0 -10.0 %
NA	Proprietary zinc salt	1.0 -10.0 %
7439-97-6	Mercury	1.0 -10.0 PPM
7439-92-1	Lead	1.0 -10.0 PPM

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: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately.

In Case of Eye Contact: Flush eyes with plenty of water for at least 30 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Wash mouth out with water. Do NOT induce vomiting. Get medical aid.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: > 93.33 C

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

Autoignition Pt: No data.

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

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. Material will not burn. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammable Properties and Hazards: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Isolate area and deny entry. Stop leak if you can do it without risk. Provide ventilation. 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: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid exposure during pregnancy.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7727-43-7	Barium sulfate	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 5 mg/m3 (dust/no asbestos)	No data.
NA	Proprietary Glycol Ether	No data.	No data.	No data.
NA	Cadmium Compounds, Inorganic	PEL: 0.005 mg/m3	TLV: 0.01 mg/m3 (as Cd, inhalable fraction), 0.002mg/m3 (as Cd, respirable fraction)	No data.
NA	Proprietary Inorganic Filler	PEL: 15 mg/m3 (dust)	TLV: 10 mg/m3	No data.
14807-96-6	Talcum	PEL: 706 ppm/20 mppcf	TLV: 2 mg/m3 (non-asbestos)	No data.
NA	Proprietary zinc salt	No data.	No data.	No data.
7439-97-6	Mercury	CEIL: 0.1 mg/m3	TLV: 0.025 mg/m3	No data.
7439-92-1	Lead	PEL: 50 ug/m3	TLV: 0.05 mg/m3	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: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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 thoroughly after handling.

9. Physical and Chemical Properties

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

Appearance and Odor: Appearance: yellow. Liquid.
Odor: weak odor.

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: > 93.33 C

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

Specific Gravity (Water = 1): 1.83

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

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

Evaporation Rate: No data.

Solubility in Water: No data.

Percent Volatile: No data.

VOC / Volume: 327.1000 G/L

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials.

Incompatibility - Materials To Avoid: Oxidizing materials, Metals. acids, Moisture.

Hazardous Decomposition or Byproducts: barium oxides. Carbon oxides, Cadmium oxide fumes. Zinc 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: Suspected of damaging the unborn child. Suspected of damaging fertility.

Carcinogenicity/Other Information: Ingredient CAS# inorganic cadmium compounds: IARC: Group 1. NTP: Known to be a human Carcinogen.
Ingredient CAS# inorganic filler:
IARC: 2B - Group 2B: Possibly carcinogenic to humans .
Ingredient CAS# 14807-96-6: IARC: Group 3: Not classifiable as to its carcinogenicity to humans .
Ingredient CAS# 7439-92-1: IARC: 2B - Group 2B: Possibly carcinogenic to humans .
NTP: Reasonably anticipated to be a human carcinogen .

12. Ecological Information

General Ecological Information: Toxic to aquatic life with long lasting effects.

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: Not Regulated.

DOT Hazard Class:

UN/NA Number:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Inorganic cadmium compounds)

UN Number: 3082

Packing Group: III

Hazard Class: 9 - CLASS 9

Additional Transport Information: Environmentally hazardous substance mark is not required when transported in less than 5 L or 5 kg.

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)
7727-43-7	Barium sulfate	No	No	Yes-Cat. N040
NA	Proprietary Glycol Ether	No	No	No
NA	Cadmium Compounds, Inorganic	No	No	No
NA	Proprietary Inorganic Filler	No	No	No
14807-96-6	Talcum	No	No	No
NA	Proprietary zinc salt	No	No	No
7439-97-6	Mercury	No	Yes 1 LB	Yes-Cat. N458
7439-92-1	Lead	No	Yes 10 LB	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7727-43-7	Barium sulfate	TSCA: Yes - Inventory
NA	Proprietary Glycol Ether	TSCA: Yes - Inventory
NA	Cadmium Compounds, Inorganic	TSCA: Yes - Inventory
NA	Proprietary Inorganic Filler	TSCA: Yes - Inventory
14807-96-6	Talcum	TSCA: Yes - Inventory
NA	Proprietary zinc salt	TSCA: Yes - Inventory
7439-97-6	Mercury	TSCA: Yes - Inventory, 5A(2)
7439-92-1	Lead	TSCA: Yes - Inventory, 5A(2), 6A, 12(b)

16. Other Information

Revision Date: 09/29/2016

Additional Information About No data available.

This Product:

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.