

1. Product and Company Identification

Product Code: 1854
Product Name: 1854
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: Filler/Additive for thermoset systems

2. Hazards Identification

Flammable Solids, Category 2



GHS Signal Word: Warning
GHS Hazard Phrases: H228 - Flammable solid.
GHS Precaution Phrases: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
GHS Response Phrases: No phrases apply.
GHS Storage and Disposal Phrases: No phrases apply.
OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):
Inhalation: Dust is irritating to the respiratory tract.
Skin Contact: Dust causes mechanical irritation.
Eye Contact: Dust causes mechanical irritation.
Ingestion: No hazard expected in normal industrial use.
Additional Information: No data available.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
78-78-4	Isopentane	10.0 -20.0 %

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 victim to fresh air.
- In Case of Skin Contact:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention.
- 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 aid.
- In Case of Ingestion:** Never give anything by mouth to an unconscious person. Wash mouth out with water. Get medical aid.
- Note to Physician:** Treat symptomatically and supportively.

5. Fire Fighting Measures

- Flash Pt:** NP
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** > 170.00 C
- Suitable Extinguishing Media:** Water spray, fog or regular 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:** Dusts at sufficient concentrations can form explosive mixtures with air.
- Hazardous Combustion Products:** Carbon oxides, Nitrogen oxides.

6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Remove all sources of ignition. Use only non-sparking tools and equipment. Sweep up, then place into a suitable container for disposal. Avoid dust formation. Discharge into the environment must be avoided.

7. Handling and Storage

- Precautions To Be Taken in Handling:** Use spark-proof tools and explosion proof equipment. Take precautionary measures against static discharges. Keep away from heat, sparks and flame. Do not ingest or inhale. Avoid contact with eyes, skin, and clothing. Avoid generating dusty conditions.
- Precautions To Be Taken in Storing:** Keep away from sources of ignition. Store in a tightly closed container. Store in a dry area. Store at <50 deg.C.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
78-78-4	Isopentane	No data.	TLV: 600 ppm	No data.

Respiratory Equipment (Specify Type):	Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.
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.):	Use explosion-proof ventilation equipment. 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 thoroughly after handling.

9. Physical and Chemical Properties

Physical States:	[] Gas [] Liquid [X] Solid	
Appearance and Odor:	Appearance: White. Powder. Odor: weak odor.	
pH:	9 - 11	
Melting Point:	No data.	
Boiling Point:	No data.	
Flash Pt:	NP	
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):	.03	
Density:	27 - 33 LG/M3	
Solubility in Water:	insoluble	
Percent Volatile:	16.0 % by weight.	
Autoignition Pt:	> 170.00 C	
Particle Size:	.005 - 1 C3Q8	

10. Stability and Reactivity

Reactivity:	Stable under normal conditions.	
Stability:	Unstable [] Stable [X]	
Conditions To Avoid - Instability:	Heat, flames and sparks. temperatures above 50°C.	
Incompatibility - Materials To Avoid:	None known.	
Hazardous Decomposition or Byproducts:	Carbon 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.

Carcinogenicity/Other Information: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA: 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. NTP: 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. ACGIH: 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.

12. Ecological Information

General Ecological Information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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:	Flammable solids, organic, n.o.s. (Isopentane)		
DOT Hazard Class:	4.1	FLAMMABLE SOLID	
UN/NA Number:	UN1325	Packing Group:	III



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)
78-78-4	Isopentane	No	No	No
Other US EPA or State Lists				
78-78-4	Isopentane	TSCA: Yes - Inventory		

16. Other Information

Revision Date: 12/21/2016

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.