

**MOLDED PTFE MATERIAL SAFETY DATA SHEET J-7000**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** JLON J-7000  
**MANUFACTURER:** Jade Engineered Plastics  
**ADDRESS:** 121 Broad Common Rd  
Bristol RI 02809  
**EMERGENCY PHONE:** 401-253-4440 (24 hours)  
**Issue Date:** 06/01/2010  
**Supersedes Date:** N/A  
**Product Use:** Intended Use: Skived Films, Rods, Sheets, Tubes, Molded/Machined Parts

**SECTION 2: INGREDIENTS**

<b>Ingredient</b>	<b>C.A.S. No.</b>	<b>% by Wt</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>CRMG</b>
PTFE	9002-84-0	Major	None	None	None
Wollastonite	13983-17-0	<35%	10mg/m3	10mg/m3	None

**SECTION 3: HAZARDS IDENTIFICATION**

**3.1 EMERGENCY OVERVIEW**

**NFPA Rating:** Health: 0; Flammability: 0; Reactivity: 0  
**HMIS Classification:** Health: 0; Flammability: 0; Reactivity: 0

**Potential Health Effects:**

**Eye Contact:** Mild Irritation: Signs/Symptoms may include redness, pain, & tearing.  
During Heating:  
Vapors from heated material may cause eye irritation. Signs/Symptoms may include pain, redness & swelling, tearing and blurred or hazy vision.  
Thermal Burns: Signs/Symptoms may include severe pain, redness & swelling, and tissue destruction.

**Skin Contact:** Mechanical Skin Irritation: Signs/Symptoms may include abrasion, redness, pain, and itching.  
During Heating:  
Thermal Burns -Signs/Symptoms may include intense pain, redness & swelling and tissue destruction.

**Inhalation:** Vapors from heated material may cause respiratory system irritation: Signs/symptoms include cough, sneezing, nasal discharge, headache, hoarseness & nose and throat pain.

Polymer Fume Fever: Signs/symptoms include chest pain or tightness, shortness of breath, cough, malaise, muscle aches, increased heart rate, fever, chills, sweats, nausea and headache.

If thermal decomposition occurs, may be absorbed following inhalation and cause target organ effects.

Prolonged or repeated exposure, above recommended guidelines, may cause:  
Lung Effects: Signs/Symptoms may include difficulty breathing, cough, wheezing, weakness, increased heart rate, bluish colored skin (cyanosis), sputum production, and changes in lung function tests.

**Ingestion:** No health effects are expected.

**Specific Physical Form:** Skived Films, Rods, Sheets, Tubes, Molded/Machined Parts

**Odor, Color:** None, Off-White

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** None

## **SECTION 4: FIRST AID MEASURES**

<b>Inhalation:</b>	Remove person to fresh air.. If signs/symptoms develop, seek medical attention.
<b>Skin Contact:</b>	Immediately flush skin with large amounts of cold water for at least 15 minutes. <b>DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL.</b> Cover affected area with a clean dressing. Get immediate medical attention.
<b>Eye Contact:</b>	Flush eyes with plenty of water while holding eyelids open for at least 15 minutes. <b>DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL.</b> Get immediate medical attention.
<b>If Swallowed:</b>	No need for first aid is anticipated.

## **SECTION 5: FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Non-combustible. Use media suitable for surrounding fire.
<b>Unusual Fire &amp; Explosion:</b>	None known

<b>Hazards:</b>	
<b>Hazardous Decomposition:</b>	See Section 10

<b>Products:</b>	
<b>Autoignition temperature</b>	<i>Not Applicable</i>
<b>Flash Point</b>	<i>Not Applicable</i>

### **Flammable Limits in Air**

<b>Flammable Limits - LEL</b>	<i>Not Applicable</i>
<b>Flammable Limits - UEL</b>	<i>Not Applicable</i>

<b>Fire Fighting Protective Equipment:</b>	Exposure to extreme heat can give rise to thermal decomposition. Wear full protective equipment and self-contained breathing apparatus (SCBA).
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<b>Specific Methods:</b>	Evacuate area and restrict access to area. Use fire fighting methods suitable for surrounding fire. Product does not readily burn. Keep containers cool with water spray if possible
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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Accidental Release Measures:</b>	Observe precautions from other sections. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Clean up residue. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible. <b>In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.</b>
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## **SECTION 7: HANDLING AND STORAGE**

<b>Safe Handling Precautions:</b>	Avoid creating dust and heating above 260C (PTFE). If these conditions cannot be avoided, use adequate ventilation to capture dust or decomposition products at the source. Avoid skin contact with hot material. Store work clothes separately from other clothing, food, and tobacco products. No smoking; Smoking while using this product can result in contamination of the tobacco and/or smoke and lead to the formation of hazardous decomposition products
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mentioned in the Reactivity Data Section of this MSDS. For industrial & professional use only.

**Safe Storage Conditions:** Store under normal warehouse conditions.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Use with appropriate local exhaust ventilation. Provide local exhaust ventilation in your process to capture dust or thermal decomposition gases at their source.

**Hand Protection:** Avoid skin contact with hot material. Wear appropriate gloves, such as Nomex, when handling this material to prevent thermal burns.

**Eye Protection:** Avoid eye contact; Wear safety glasses with side shields, Indirect Vented Goggles.

**Hygiene Measures:** Avoid contact with skin, eyes, & personal clothing. Do not contaminate tobacco products. Wash hands thoroughly before eating.

**Exposure Limit:** Particulates (not otherwise regulated) with the following generic exposure limits:  
OSHA PEL: 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)

### **Personal Protective Equipment:**

**Respiratory Protection:** Avoid breathing of dust.  
During heating: Avoid breathing of vapors.  
Use a positive pressure supplied air respirator if there is a potential for exposure from an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate protection.  
Select a NIOSH approved air-purifying respirator based on airborne concentration of contaminants and in accordance with OSHA regulations: Fullface supplied air respirator, half facepiece or fullface air purifying respirator with N95 particulate filters.

**Prevention of Swallowing:** Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating.

## **EXPOSURE GUIDELINES**

<b><u>Ingredient</u></b>	<b><u>Authority</u></b>	<b><u>Type</u></b>	<b><u>Limit</u></b>	<b><u>Additional Information</u></b>
Polytetrafluoroethylene	CMRG	TWA, as respirable dust	5 mg/m <sup>3</sup>	
Polytetrafluoroethylene	CMRG	TWA, as total dust	10 mg/m <sup>3</sup>	

### SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Skived Films, Rods, Sheets, Tubes, Molded/Machined Parts

**Color:** Off-White

**Odor:** Not applicable

**Boiling Point/Range:** Not applicable

**Melting Point/Range:** Not applicable

**Flash Point (°F):** Not applicable

**Vapor Pressure:** Not applicable

**Vapor Density:** Not applicable

**Density:** 2.0-2.6 g/cm<sup>3</sup>

**Specific Gravity:** 2.0-2.6 [*Ref Std:* WATER=1]

Solubility in Water: Neligible  
Physical State: Solid

## **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable.  
**Materials & Conditions to Avoid:** Al or Mg powder and high/shear temperature conditions; Reactions with metals in powder form occur from 370C upwards.  
**Hazardous Decomposition Products:** Hydrogen fluoride has an ACGIH TLV of 3ppm (as fluoride) as a limit and an OSHA PEL of 3ppm of fluoride as an eight hour time weighted average and 6ppm of fluoride as a Short Term Exposure Limit. The odor threshold for HF is 0.04ppm, providing good warning properties for exposure.

### **Hazardous Decomposition or By-Products**

<b><u>Substance</u></b>	<b><u>Condition</u></b>
Carbonyl Fluoride	At elevated temperatures above 380C
Carbon Monoxide	At elevated temperatures above 380C
Carbon Dioxide	At elevated temperatures above 380C
Hydrogen Fluoride	At elevated temperatures above 380C
Perfluoroisobutylene (PFIB)	At elevated temperatures above 380C
Toxic Vapor, Gas, Particulate	At elevated temperatures above 380C

**Hazardous Polymerization:** Hazardous polymerization will not occur.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Acute Toxicity and Skin Designation**

<b><u>Components (CAS#)</u></b>	<b><u>NIOSH – Selected LD50s&amp; LC50s</u></b>	<b><u>ACGIH 2000 – Skin Absorption Designation</u></b>
PTFE 9002-84-0	=45 mg/m <sup>3</sup> inhalation LC50 Rat 30 min	None

## **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** Not determined  
**Chemical Fate Information:** Not determined

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste from residues/unused products:** Reclaim if feasible. Dispose of waste product in a facility permitted to accept chemical waste. For larger quantities, dispose of waste product in a sanitary landfill. Combustion products will include HF. Facility must be capable of handling halogenated materials.  
This product is not a hazardous waste under RCRA, 40CFR261 in its original form.  
**Since regulations vary, consult applicable regulations or authorities before disposal.**

## **SECTION 14: TRANSPORT INFORMATION**

**ID Numbers:** 98-0213-0445-0, 98-0213-1493-9, 98-0213-1688-4, 98-0213-1712-2, 98-0213-2354-2

## **SECTION 15: REGULATORY INFORMATION**

### **Clean Air Act Regulations**

Components	Accidental Release	Accidental Release	1990 Hazardous	Section 302	Section 313	Section 302
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(CAS#)	Prevention -Flammable Substances	Prevention –Toxic Substances	Air Pollutants	EHS & TPQs	Emission Reporting	Hazardous Substances
PTFE 9002-84-0	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

### Chemical Inventories Status

Components (CAS#)	DSL Canada	TSCA United States	EINECS Europe	JENCS Japan	PICCS Philippines
PTFE 9002-84-0	Listed	Listed	Listed	Listed	Listed
Wollastonite 13983-17-0	Listed	Exempted	Listed	Exempted	Listed

### States Right to Know Lists

Components (CAS#)	New Jersey Right to Know List	Pennsylvania Right to Know List	Minnesota Right to Know List
PTFE 9002-84-0	Not Listed	Not Listed	Not Listed

### TSCA & CERCLA/SARA Regulations

SARA Classification: Not Classified

Components (CAS#)	TSCA – Sec. 5(a)(2) – Chemicals with SNUR
PTFE 9002-84-0	Not Listed

## SECTION 16: OTHER INFORMATION

**Additional Advice:** Consult your supplier if the material is to be used for special applications such as in the food industry or for hygiene, medical or surgical end use.

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