

**Safety Data Sheet**  
**Resiten Grade LE401**

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**SECTION 1: Identification**

**1.1 Product identifier**

Product name	Resiten Grade LE401
Product number	LE401
Substance name	Phenolic Polymer Cellulose Substrate

**1.2 Other means of identification**

na

**1.3 Recommended use of the chemical and restrictions on use**

Electrical/Electronic Applications, Insulators

**1.4 Supplier's details**

Name	Iten Industries, Inc.
Address	P.O. Box 2150 Ashtabula, OH 44005-2150 US
Telephone	800-227-4836
Fax	440-992-4966
email	info@itenindustries.com

**1.5 Emergency phone number(s)**

1-800-852-2482  
Vector Security

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**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

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### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

#### Statement regarding ingredients of unknown toxicity (OSHA)

na

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Substance name	Phenolic Polymer Cellulose Substrate
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Other names / synonyms	na
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Impurities and stabilizing additives	na
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#### Trade secret statement (OSHA 1910.1200(i))

na

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Avoid inhalation, ingestion, and excessive skin exposure of dust.
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If inhaled	Remove to fresh air. If symptoms persist, seek medical attention.
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In case of skin contact	Wash with soap and water and remove contaminated clothing. If symptoms persist, seek medical attention.
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In case of eye contact	Flush with water for 15 minutes. If symptoms persist, seek medical attention.
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If swallowed	na
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Personal protective equipment for first-aid responders	na
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### 4.2 Most important symptoms/effects, acute and delayed

na

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

na

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Water, CO<sub>2</sub>, Foam (AFF), Dry Agent

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### 5.2 Specific hazards arising from the chemical

Smoke from fire may contain toxic fumes.

### 5.3 Special protective actions for fire-fighters

Positive Pressure SCBA to be worn when entering burning area.

#### Further information

Conventional firefighting procedures are to be used.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

na

### 6.2 Environmental precautions

na

### 6.3 Methods and materials for containment and cleaning up

na

#### Reference to other sections

na

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Sheets stacked too high and not restrained properly may pose a hazard of sliding.  
Some nuisance dust may be present in boxes of fabricated parts.

### 7.2 Conditions for safe storage, including any incompatibilities

na

#### Specific end use(s)

na

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## SECTION 8: Exposure controls/personal protection

### 8.2 Appropriate engineering controls

Use proper ventilation for machining or dust collection system when sawing.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear safety glasses with side shields for machining or sawing.

#### Skin protection

Wear appropriate gloves and protective garments while machining or sawing.

#### Body protection

na

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### Respiratory protection

If proper ventilation is not available, wear NIOSH approved dust respirator to avoid exposure to nuisance dust while machining or sawing.

### Thermal hazards

na

### Environmental exposure controls

na

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Pigmented solid sheets or machined parts
Odor	Faint phenolic odor
Odor threshold	na
pH	na
Melting point/freezing point	na
Initial boiling point and boiling range	na
Flash point	na
Evaporation rate	na
Flammability (solid, gas)	na
Upper/lower flammability limits	na
Upper/lower explosive limits	na
Vapor pressure	na
Vapor density	na
Relative density	na
Solubility(ies)	na
Partition coefficient: n-octanol/water	na
Auto-ignition temperature	na
Decomposition temperature	na
Viscosity	na
Explosive properties	na
Oxidizing properties	na

### Other safety information

na

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Material will slowly degrade with exposure to strong oxidizing agents.

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

na

### 10.4 Conditions to avoid

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Exposure to strong oxidizing agents.

### 10.5 Incompatible materials

Oxidizers

### 10.6 Hazardous decomposition products

Trace amounts of HCN, CO<sub>2</sub>, CO, Phenol, and other Hydrocarbons.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Method:

Species:

Routes of exposure:

Effective dose:

Exposure time:

Results:

#### Skin corrosion/irritation

Method:

Species:

Routes of exposure:

Effective dose:

Exposure time:

Results:

#### Serious eye damage/irritation

Method:

Species:

Routes of exposure:

Effective dose:

Exposure time:

Results:

#### Respiratory or skin sensitization

Method:

Species:

Routes of exposure:

Effective dose:

Exposure time:

Results:

#### Germ cell mutagenicity

Method:

Species:

Routes of exposure:

Effective dose:

Exposure time:

Results:

#### Carcinogenicity

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Method:  
Species:  
Routes of exposure:  
Effective dose:  
Exposure time:  
Results:

### Reproductive toxicity

Method:  
Species:  
Routes of exposure:  
Effective dose:  
Exposure time:  
Results:

### Summary of evaluation of the CMR properties

This material is not classifiable as to human carcinogenicity, mutagenicity, or reproductive toxicity and it has not been classified as a carcinogen, mutagen, or reproductive toxicant.

### STOT-single exposure

Method:  
Species:  
Routes of exposure:  
Effective dose:  
Exposure time:  
Results:

### STOT-repeated exposure

Method:  
Species:  
Routes of exposure:  
Effective dose:  
Exposure time:  
Results:

### Aspiration hazard

Method:  
Species:  
Routes of exposure:  
Effective dose:  
Exposure time:  
Results:

### Additional information

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

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## SECTION 12: Ecological information

### Toxicity

na

### Persistence and degradability

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### Bioaccumulative potential

na

### Mobility in soil

na

### Results of PBT and vPvB assessment

na

### Other adverse effects

na

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## SECTION 13: Disposal considerations

### Disposal of the product

Insure conformity with local disposal regulations.  
Waste is not hazardous as defined by RCRA (40 CFR Part 261

### Disposal of contaminated packaging

na

### Waste treatment

na

### Sewage disposal

na

### Other disposal recommendations

na

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### 15.2 Chemical Safety Assessment

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

### HMIS Rating

Health 0

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Flammability	1
Physical hazard	0
Personal protection	

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### SECTION 16: Other information

na

#### 16.1 Further information/disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

#### 16.2 Preparation information

Prepared in accordance with 229 CFR 1910.1200