

Safety Data Sheet
Resiten Grade LMD401

SECTION 1: Identification

1.1 Product identifier

Product name	Resiten Grade LMD401
Product number	LMD401
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

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

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

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

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water, CO₂, 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.

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

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

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

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

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, CO₂, CO, Phenol, and other Hydrocarbons.

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).

SECTION 12: Ecological information

Toxicity

na

Persistence and degradability

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na

Bioaccumulative potential

na

Mobility in soil

na

Results of PBT and vPvB assessment

na

Other adverse effects

na

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

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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	

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