

SAFETY DATA SHEET

Current Revision: 1, 6/1/2017	Prepared by: Ben Ward, Product Engineer
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I. IDENTIFICATION

EMERGENCY PHONE: <p style="text-align: center;">CHEMTREC- (800) 424-9300 CCN: 19481</p>	Salem Fabrication Supplies 5901 Gun Club Road Winston-Salem, NC 27103 Information: (800) 234-1982
PRODUCT NAME: Salem Plastic Lap	
SYNONYMS: Lap/mold	

Recommended Use:

Lens shaping and polishing.

Restrictions:

Professional and industrial use.

II. HAZARD IDENTIFICATION

Classification (§1910.1200):

Not considered hazardous according to GHS standards.

Signal Word/Symbols:

N/A

Hazard Statement:

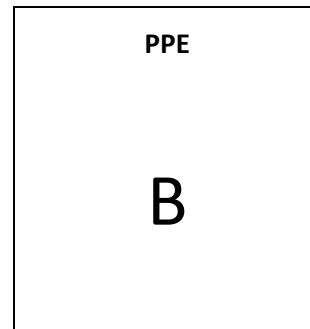
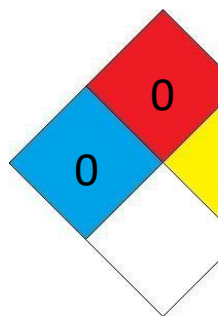
N/A

Precautionary Statement:

N/A

Miscellaneous Hazards:

NFPA 704



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Secondary operations such as milling or grinding may generate airborne dust that as with any dust can be aggravating to eyes, skin, and or respiratory system.

Dust generation from secondary operations could present an explosion hazard.

Unknown Acute Toxicity Statement:

N/A

III.COMPOSITION

CHEMICAL NAME:	COMMON NAMES:	CAS:	% BY WEIGHT:
Nylon 66	N/A	32131-17-2	>45
Glass fiber reinforcement	Fiberglass	65997-17-3	0-50
Hydrous magnesium silicate	Talc	14807-96-6	0-30
Calcium meta silicate	Wollastonite	13983-17-0	0-30
Aluminum silicate hydrated	Kaolin	1332-58-7	0-30
Non-Regulated Impact Modifier		N/A	0-25
Non-Regulated Colorants, Stabilizers, Lubricants		N/A	0-3
Carbon Black		1333-86-4	0-2
Titanium Dioxide		13463-67-7	0-0.5

Classified Impurities and Additives:

None known.

IV.FIRST AID MEASURES

Inhalation:

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As a solid these nylon resins are not likely to be hazardous by inhalation. Dizziness and nausea may occur if the fumes from molten or burning polymer are inhaled. Remove to fresh air and get medical attention if dizziness or nausea occurs.

Skin Contact: No specific treatment for exposure under normal conditions although cleansing the skin after use is advisable. Get medical attention if irritation persists. For contact with molten material get immediate medical attention.

Eye Contact:

If contact with eyes occurs it may result in abrasions as with any solid material. Flush eyes with plenty of water. Get medical attention if irritation persists. For contact with molten material get immediate medical attention.

Ingestion:

No specific treatment since nylon polymer is biologically inert. Seek medical attention and treat as symptomatic.

Symptoms/Effects:

May cause abrasion.

Level of Medical Attention Needed:

Seek medical attention for physical injuries and treat as symptomatic.

V. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water, Foam, Dry Chemical, and CO₂.

Unsuitable Extinguishing Media:

Heavy water stream may scatter and spread fire.

Specific Hazards:

Like most organic materials in a powder form, dust generated from this product may form a flammable dust-air mixture. Potential for a dust explosion may exist. Minimize the generation and accumulation of dust. Keep away from sources of ignition.

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Large molten masses may ignite spontaneously in air. Water quenching of such masses is good practice.

Hazardous gases/vapors produced in a fire are ammonia, carbon monoxide, small amounts of hydrogen cyanide and aldehydes.

Special Protective Equipment:

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Review the Fire Fighting Measures (5) and Personal Protection Sections (8) before proceeding with cleanup.

Spilled material may cause a slipping hazard.

Protective Equipment:

See section 8.

Emergency Procedures:

Remove unnecessary personnel.

Methods for Cleanup/Removal:

Contain and vacuum or sweep up spilled material for salvage or disposal.

VII. HANDLING AND STORAGE

Handling Precautions:

Wear appropriate personal protective equipment for the task being performed. Minimize the generation and accumulation of dust.

Safe Storage Conditions:

Store in a cool, dry place. Keep containers tightly closed to prevent moisture absorption and contamination.

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Incompatibilities:

Heat and moisture filled environments.

VIII. EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT

OSHA PEL:	ACGIH TLV:	OTHER EXPOSURE LIMITS:
<p>Fiberglass: 15 mg/m³ total; 5 mg/m³ respirable.</p> <p>Talc: 20 mppcf</p> <p>Wollastonite: 15 mg/m³ total; 5 mg/m³ respirable.</p> <p>Kaolin: 15 mg/m³ total; 5 mg/m³ respirable.</p>	<p>Fiberglass: 10 mg/m³</p> <p>Talc: 2 mg/m³ respirable</p> <p>Wollastonite: 10 mg/m³</p> <p>Kaolin: 2 mg/m³ respirable</p> <p>Non-Reg Colorants, Stabilizers, Lubricants: 10 mg/m³</p> <p>Carbon Black:</p>	<p>N/A</p>
<p>Non-Reg Colorants, Stabilizers, Lubricants: 15 mg/m³</p> <p>Carbon Black: 3.5 mg/m³</p> <p>Titanium Dioxide: 15 mg/m³</p> <p>Particulates (not reg): 15mg/m³, 8 hr. TWA, tot dust 5 mg/m³, 8 hr. TWA, resp dust</p>	<p>3.5 mg/m³</p> <p>Titanium Dioxide: 10 mg/m³</p>	

Appropriate Engineering Controls:

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Use good general ventilation and/or local ventilation to control the concentration of vapors and fumes below exposure limits. In cutting or grinding operations use local exhaust to control the concentration of dust.

Personal Protective Measures:

EYE/FACE: Wear safety glasses. Wear a full-face shield when possibility exists for splashing or spraying of molten material.

RESPIRATORY: When secondary operations such as grinding, sawing, routing, drilling and or sanding generate excessive dust, and the airborne particulate concentrations are expected to exceed permissible exposure limits, use an appropriate respirator with dust filtration.

When excessive processing fumes are generated from abnormal processing conditions, such that ventilation cannot control them, use an appropriate respirator with organic vapor cartridge.

SKIN: Good industrial policy is normally sufficient. If the potential exists for contact with hot molten material, wear heat resistant clothing and footwear. In dusty conditions, the use of full length sleeves and gloves to minimize skin contact is recommended.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Black solid

Odor: Slight	Odor Threshold: N/A	pH: N/A
Melting/Freezing Point: 482-509°F (250-265°C)	Boiling Point: N/A	Boiling Range: N/A
Flash Point: N/A	Evaporation Rate: N/A	Flammability (Solid, Gas): N/A

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Upper/ Lower Flammability/ Explosive Limit: N/A	Vapor Pressure: N/A	Vapor Density: N/A
Relative Density: N/A	Solubility (ies): Insoluble in water	Partition Coefficient: NOctanol/Water: N/A
Auto Ignition Temperature: N/A	Decomposition Temperature: N/A	Viscosity: N/A

X.STABILITY AND REACTIVITY

Reactivity:

Hazardous polymerization will not occur.

Chemical Stability:

Stable at normal storage temperatures and conditions.

Possibility of Hazardous Reactions:

None under normal conditions.

Conditions to Avoid: Static Discharge, Shock, Vibrations, Etc.

Temperatures above 644°F (340°C)

Incompatible Materials:

Incompatible or attacked by concentrated acids, phenols, calcium chloride, zinc chloride and oxidizing agents.

Hazardous Decomposition Products:

Cyclopentanone, carbon monoxide, aldehydes, and ammonia.

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XI. TOXICOLOGICAL INFORMATION

Possible Exposure Routes (Inhalation Etc.):

Eye, inhalation, skin, and ingestion.

Symptoms Related To Toxicological Characteristics:

Glass fibers and minerals may cause mild eye irritation, these effects are attributed to mechanical damage.

Ingestion of nylon in high doses may cause decreased body weight. Long-term exposure caused no significant toxicological effects in animals.

Glass fiber has caused an inflammatory response in mice after instillation.

Repeated inhalation exposures to glass fibers invoked pulmonary macrophage reactions similar to biologically inert dusts.

Delayed, Immediate, and Chronic Effects:

None known.

Numerical Toxicity Measurements:

None known.

NTP/IARC/OSHA Known Carcinogen:

Carbon black (2B)

Titanium dioxide (2B)

(2B- possibly carcinogenic to humans)

Some tests of glass fibers in animals have demonstrated carcinogenic activity, but these tests are not believed to represent typical industrial conditions.

XII. ECOLOGICAL INFORMATION

Ecotoxicity:

Nylon polymer is non-toxic. Nylon should be kept out of waterways and other locations where they could be ingested by wildlife and eventually fill the stomach of an animal.

Persistence and Degradability:

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Nylon polymer will not degrade biologically except at an infinitesimal rate and so will remain in place until cleaned up.

Bioaccumulative Potential:

N/A

Soil Mobility:

N/A

Other Adverse Effects:

Pellets will flow and fall easily from damaged packages, leaks in air conveying lines and bulk containers such as silos.

XIII. DISPOSAL CONSIDERATIONS

Waste Residue and Disposal:

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. For option 2 the incinerator must be capable of scrubbing out acidic combustion

products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

XIV. TRANSPORT INFORMATION

UN Number: Not regulated.	UN Proper Shipping Name: Not regulated.	Transport Hazard Class (es): Not regulated.
Packing Group: Not regulated.	Environmental Hazards: None known.	Transport in Bulk (Annex LI MARPOL 73/78 and IBC Code) Not regulated.

Special Precautions:

N/A

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XV. REGULATORY INFORMATION

Environmental/ Health/ Safety:

Federal Regulations:

TSCA Status: All components are in compliance with TSCA Inventory requirements for commercial purposes.

State Regulations (U.S.): No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Safety Data Sheet.

SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: **NONE KNOWN**

XVI. OTHER INFORMATION

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Salem Fabrication Supplies. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. Salem Fabrication Supplies assumes no legal responsibility for use of or reliance upon this information.

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