



MATERIAL SAFETY DATA SHEET

ARCHER RUBBER COMPANY

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Date Prepared:

11-17-2011

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Archer Specification No. 2151

Common Name: Neoprene Rubber Coated on to Nomex Fabric

Customer Name: Southern Mills

Company

Archer Rubber Company

213 Central Street

Milford, MA 01757

(508) 473-1870

Emergency Telephone Numbers

1-508-473-1870

2. COMPOSITION / INFORMATION ON INGREDIENTS

Polymer bound products preclude exposure to powder, dust-related, mechanical contact hazards. Fumes and vapors at processing temperatures may cause irritation to the eyes, skin, nose, throat, and respiratory tract. With inadequate ventilation, nausea, dizziness or headaches are possible. Skin contact, especially with hot material, may cause irritation resulting in redness, itching, blistering. Hot material handling can also result in thermal burns.

Ingredient (s)	CAS Number	%
----- -----	----- -----	----- -----
Neoprene.Rubber	N/A	N/A

Nomex Fabric

N/A

N/A

Corn Starch

9057-05-0

< 1%

3. HAZARD IDENTIFICATION

Potential Health Effects

Eye Contact

Mechanical irritation only.

Skin Contact

Patch tests were run with four types of Neoprene Rubber on human volunteers. No skin reactions were shown.

Results are predicted to be similar for the types of Neoprene in this msds.

Ingestion

One type of Neoprene Rubber was tested for oral toxicity in rats. The LD-50 is in excess of 20,000 milligrams per kilogram body weight, which is low toxicity. Other types of Neoprene are predicted to have the same low toxicity.

Ingestion is not a probable route of exposure.

Inhalation

Not an issue, except; At processing temperatures above 200 C (392 F), fumes irritating to the eyes, nose, and throat may be produced. This exposure may result in reddening, tearing, and itching of the eyes and soreness in the nose and throat together with coughing. Inhalation of an excess quantity of the Corn Starch Powder that this material was dusted with may cause respiratory irritations.

Chronic Effect

None are known.

4. FIRST AID MEASURES

Eye

In case of contact, immediately flush eyes with large amounts of water, continue to flush for 15 minutes. If irritation persists get medical attention.

Skin

The material is not likely to be hazardous by skin contact but cleansing the skin after use is advisable. If molten material gets on the skin, cool rapidly with water. Do not attempt to remove the material from the skin. Obtain medical treatment for thermal burn. This material is dusted with Corn Starch powder, which may cause skin irritation for some individuals.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion

Not a probable route of exposure. However, in case of accidental ingestion, call a physician.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards:

Hazardous Combustion Products

Complete combustion gives hydrogen chloride, carbon dioxide, sulfur dioxide, and water. Incomplete combustion gives additional carbon monoxide, organic acids, aldehydes, and alcohols.

Extinguishing Media

Use dry chemical, carbon dioxide, or foam. Use water spray on large fires.

Fire Fighting Equipment/Instruction

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and facemask.

Flammable Properties

Flash Point	>260C (>500F)
Method	Open cup

6. Accidental Release Measures

Spill clean-up

Recover undamaged and minimally contaminated for reuse and reclamation.

7. Handling and Storage

For commercial use only – Not packaged or labeled for home use.

Storage

Keep in a cool place. Do not handle or store near open flame, heat or other sources of ignition.

8. Exposure Controls / Personal Protection

Engineering Controls

Use local ventilation to control fumes from hot processing.

Eye/Face Protection: Personal Protection Equipment (PPE)

Wear safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact due to splashing or spraying of molten material. A full face mask respirator provides protection from eye irritation.

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Skin Protection: (PPE)

Impervious gloves should be used at all times when handling this product. Recommends gloves include rubber, neoprene, nitrile, or viton. Use of protective apron or coveralls and long sleeves is recommended.

Respiratory protection: (PPE)

Avoid breathing vapor, mists, powder, or fumes if applicable due to heat and or non-heated processing and or handling. If airborne concentrations are above the applicable exposure limit, use NIOSH approved respiratory protection. Proper handling procedures during fabrication should be followed so as to not cause an excess of The Corn Starch powder (that the fabric was dusted with) to become airborne.

General

Use good industrial hygiene practices in handling this material.

Protective clothing

If there is potential contact with hot/molten material, wear heat resistant clothing and footwear.

Exposure limits

Usually are not applicable, but may vary, and are dependent on fabricators manufacturing practices and methods. It is the responsibility of the end-user to evaluate and determine any exposure limits if applicable. However under normal room temperature handling - exposure should be negligible.

9. Physical & Chemical Properties

Melting Point - N/A

% Volatiles - N/A

Solubility in Water - Negligible

Odor - Mild characteristics

Color - Varies

Physical State - solid

Specific Gravity - N/A

10. Stability & Reactivity

Chemical Stability

Stable under normal temperature and storage conditions.

Hazardous Polymerization

Will not occur.

Conditions to Avoid

Temperature above 200 C (392 F)

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Hazardous gases or vapors can be released, including carbon monoxide, hydrogen chloride (HCL), organic acids, aldehydes, and alcohols.

11. Toxicological Information

No information is available. However this should be of slight to no concern if product is used in normal room temperature circumstances, and good industrial hygiene is practiced.

12. Ecological Information

Ecotoxicological Information

No information is available. Toxicity is expected to be low based on insolubility in water.

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13. Disposal Considerations

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

Waste Disposal

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

14. Transport Information

Proper Shipping Name - Not regulated.

15. Regulatory Information

U.S. Federal Regulations

TSCA Inventory Status - In compliance with TSCA Inventory requirements for commercial purposes.

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

State Regulations (U.S.)

STATE RIGHT-TO-KNOW

No substances on state hazardous substance lists, are used in the manufacture of products on this Material Safety Data Sheet.

16. Other Information

DISCLAIMER

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore Archer Rubber Company makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.



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