



14909 N. Beck Road
 Plymouth, MI 48180

For Product Questions call: (317) 870-4422
 For Health and Safety Questions call: (734) 781-4568
 After Hours Emergency Health/Safety Questions: (800) 391-0698 Prosar (US/Canada)
 24 Hour Emergency Spill Contact call: (800) 424-9300 Chemtrec (US/Canada)

Material Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Arrowlith Low-Rub Super Black
MSDS Code: MSD-00065737
Revision Number: 34
Revision Date: 2007-09-21 10:53:14

II. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | % |
|--------------------------------|-------|
| Linseed oil, polymd., oxidized | 1 - 5 |

Please see Section VIII for product and component exposure guidelines.
 Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

III. HAZARDS IDENTIFICATION

HMIS Rating **Health:** 1 **Flamability:** 1 **Reactivity:** 0

This product falls under the following WHMIS class: This product is not controlled. Ce produit n'est pas contrôlé.

Immediate (Acute) Health Effects by Route of Exposure

Inhalation: Can cause minor respiratory irritation.
Skin Contact: Can cause minor skin irritation. Substance may cause slight skin irritation.
Eye Contact: Can cause minor irritation, tearing and reddening.
Ingestion: Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

Long-Term (Chronic) Health Effects

Reproductive and Developmental: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Ingredients of this product appear on the following OSHA identified carcinogen lists at > = 0.1% by weight (yes/no):

| OSHA | No | NTP | No | IARC 1 & 2A | No | NIOSH | No |
|------|----|-----|----|-------------|----|-------|----|
| | | | | IARC 2B | No | | |

Arrowlith Low-Rub Super Black

IV. FIRST-AID MEASURES

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|----------------------|---|
| Inhalation: | Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. |
| Eyes: | None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. |
| Skin Contact: | Wash with soap and water. |
| Ingestion: | No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. |

V. FIRE FIGHTING MEASURES

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|--|---|
| Flammability Summary: | Combustible at elevated temperatures NFPA III B (NFPA description only; not to be used for shipping purposes) |
| Extinguishing Media: | Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid. |
| Fire and/or Explosion Hazards: | Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. |
| Fire Fighting Methods and Protection: | Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Use methods for the surrounding fire. |
| Hazardous Combustion Products: | Carbon dioxide, Carbon monoxide |
| Flash Point: | 93 C (200 F) and greater |

VI. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions and Equipment: | No health effects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS |
|--|--|

VII. HANDLING AND STORAGE

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|------------------------------|--|
| Handling Precautions: | Mildly irritating material. Avoid unnecessary exposure. As with all chemicals, good industrial hygiene practices should be followed when handling this material. |
| Storage Conditions: | Store in a cool dry place. Isolate from incompatible materials. Keep away from sources of ignition. |

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Engineering Measures: | General room ventilation might be required to maintain operator comfort under normal conditions of use. |
| Respiratory Protection: | General or local exhaust ventilation is the preferred means of control. If general or local exhaust ventilation is not available or sufficient to control or eliminate symptoms as described in Section III, respiratory protection should be used. |

Eye Protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin Protection: Wear protective gloves. Inspect gloves at regular intervals and replace as necessary. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Wear impervious material no specific details available.

Exposure Guidelines:

| CAS Number | OSHA Exposure Limits | ACGIH TLV - TWA | ACGIH STEL | IDLH |
|--------------------------------|----------------------|-----------------|------------|-------------|
| Linseed oil, polymd., oxidized | | No TLV | No STEL | Not on list |

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m3).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m3.

IX. PHYSICAL AND CHEMICAL PROPERTIES

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|---|------------------------------|
| Physical State: | Liquid, semi-solid, or solid |
| Solubility in Water: | |
| Vapor Pressure (mmHg): | |
| Vapor Density (Air = 1): | |
| Volatile Organic Chemicals % by wt: | 2.72 |
| Volatile Organic Chemicals % by vol: | 3.06 |
| VOC lb/gal | 0.23 |
| Boiling Point: | 260 deg. C 500 deg. F |
| Specific Gravity: | 1.029 |
| Bulk Density (Lb/Gal): | 8.57 |

X. STABILITY AND REACTIVITY

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| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. |
| Materials to Avoid/Chemical Incompatibility: | Strong oxidizing agents. |

XI. TOXICOLOGICAL INFORMATION

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|---|-------------------|
| Component Toxicology Data (NIOSH): | |
| CAS Number | LD50/LC50 |
| Linseed oil, polymd., oxidized | No data available |

XII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Spent or discarded material is not expected to be a hazardous waste.

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Disposal Methods: Dispose in accordance with Federal, State, Provincial and Local regulations. Material may be compatible with industrial waste incineration or inclusion in a fuel blending program. This characterization is subject to approval by your waste management contractor. This material should be recycled if possible.

XIII. REGULATORY INFORMATION

TSCA Status

| Chemical Name | CAS # | Regulation | Percentage |
|----------------------------------|--------------|-------------------|-------------------|
| Not on list | | CERCLA | |
| Not on list | | HAP | |
| Carbon black (100% Carbon Black) | 1333-86-4 | NPRI (Cdn) | 16.92 |
| Not on list | | SARA 313 | |
| Not on list | | PROP 65 | |
| Not on list | | SARA EHS | |

The following items require export notification for TSCA

| Chemical Name | TSCA 12b list section |
|----------------------|------------------------------|
| Not on list | |

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains information required by the Controlled Products Regulations.

The following chemicals are disclosed to satisfy New Jersey and Pennsylvania Right to Know

Laws: P0297 Hydrotreated heavy naphthenic distillate (4.0% VOC)

CARBON BLACK

ASPHALT - INTERMEDIATE 80/100

Hydrotreated heavy naphthenic distillate

Water

XIV. ADDITIONAL INFORMATION

References:

Disclaimer: Flint Group has prepared this Material Safety Data Sheet ("MSDS") in compliance with 29 CFR 1910.1200, understands that its customers may use this MSDS to comply with that section, and believes that the data set forth herein are accurate as of the date hereof; however, this MSDS shall not constitute a warranty with respect thereto.