

Material Safety Data Sheet

Revision Date: 08-19-2009

Product Code: 21102

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ACRYLITHANE FAST REDUCER
Product Code: 21102
Document ID: M21102
Company: JONES-BLAIR® Company
2728 Empire Central
Dallas, TX 75235
1-214-353-1600
Revision Number: 2
Prior Version Date: 08-25-2008
Chemical Family: Solvent Thinner
Intended use: Solvent, Containing Petroleum Distillates
Emergency Contact: ChemTrec Center
Emergency Phone: 1-800-424-9300

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **DANGER!**
Extremely flammable liquid and vapor. Vapors may cause flash fire.
Causes eye irritation.
Vapor harmful.
Harmful or fatal if swallowed.

Routes of Entry:

- Eye contact
- Inhalation
- Skin contact
- Ingestion
- Skin absorption

Target Organs Potentially Affected by Exposure:

- Respiratory Tract
- Skin
- Central nervous system
- Eyes
- Kidneys
- Liver
- Blood

Medical Conditions Aggravated by Exposure:

- Respiratory disorders, including but not limited to asthma and bronchitis.
- Skin disorders.
- Kidney disease
- Liver disease
- Eye disorders.
-

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Causes nose and throat irritation. Causes lung irritation.
Inhalation Toxicity: Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.
Skin Contact: Causes skin irritation.
Skin Absorption: May be harmful if absorbed through skin.
Eye Contact: Causes eye irritation.
Ingestion Toxicity: Harmful if swallowed.

Long-Term (Chronic) Health Effects:

Reproductive and Contains Methyl Ethyl Ketone, which in animal studies has shown to cause harm to

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Developmental Toxicity: the fetus only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain. Possible birth defect hazard. Contains toluene which may cause birth defects based on animal data. Case studies suggest that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans.

Inhalation: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Chronic Symptoms of Exposure: Warning: Contains Butoxy Ethyl Acetate which may cause blood disorders and kidney damage based on animal data.

III. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | % | CAS # |
|---|---------|----------|
| Methyl ethyl ketone | 40 - 60 | 78-93-3 |
| Toluene | 10 - 30 | 108-88-3 |
| Methoxypropanol acetate | 10 - 30 | 108-65-6 |
| Ethylene glycol monobutyl ether acetate | 10 - 30 | 112-07-2 |

IV. FIRST-AID MEASURES

Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

V. FIRE FIGHTING MEASURES

Flammability Summary: **Extremely flammable liquid and vapor. Vapors may cause flash fire.**

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Explosive vapor could form.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Flash Point (°F/°C): 32 / 0

Autoignition Temperature (°F/°C): 631.0 / 333.0

Lower Flammable/Explosive Limit, % in air: 0.5

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Upper Flammable/Explosive Limit, % in air: 11.5

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Methods for Clean-up: Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal.

VII. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Remove contaminated clothing and wash before reuse.

Storage Technical Measures and Conditions: Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Use local exhaust ventilation or other engineering controls to minimize exposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used.

Respiratory Protection: General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.

Respirator Type(s): NIOSH approved air purifying respirator with organic vapor cartridge and HEPA filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres

Eye Protection: Wear chemically resistant 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. Have an eye wash station available.

Skin Protection: Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact. Wear chemical resistant gloves.

Control Parameters:

| Chemical Name | ACGIH TLV-TWA | ACGIH STEL | OSHA Exposure Limits |
|---|--|--|--|
| Methyl ethyl ketone | 200 ppm TWA; 590 mg/m ³ TWA | 300 ppm STEL; 885 mg/m ³ STEL | 200 ppm TWA; 590 mg/m ³ TWA |
| Toluene | 50 ppm TWA; 188 mg/m ³ TWA | | 200 ppm TWA; C 300 ppm C 300 ppm |
| Methoxypropanol acetate | No TLV | | Not applicable |
| Ethylene glycol monobutyl ether acetate | 20ppm TWA | | Not applicable |

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: Colorless

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|--------------------------------------|---------------|
| Physical State: | Liquid |
| Boiling Point - Low: | 174.0 |
| Boiling Point - High: | 380.0 |
| Evaporation Rate (n-BA = 1): | 4.6 |
| Odor: | Ketone |
| Vapor Density: | 5.5 |
| Vapor Pressure: | 95.00 |
| VOC (g/l) (Regulatory, Calculated): | 859.39 |
| (Actual, Calculated): | 859.39 |
| Solubility in Water: | Low; 10-39% |
| Octanol/Water Partition Coefficient: | Not Available |
| Volatiles, % by Volume (Calculated): | 100.00 |
| Volatiles, % by weight (Calculated): | 100.00 |

Physical and Chemical Properties are calculated target or range values for single packaged items and do not represent compliance values for multi-component (mixed) systems.

X. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | Sparks, open flame, other ignition sources, and elevated temperatures. Contamination. Elevated temperatures. |
| Materials to Avoid/Chemical Incompatibility: | Oxidizing agents, Caustics (bases, alkalis), Acids |
| Polymerization: | Will not occur. |
| Hazardous Decomposition Products: | Carbon monoxide, Carbon dioxide |

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:

| Chemical Name | CAS Number | LD50/LC50 |
|---|------------|---|
| Ethylene glycol monobutyl ether acetate | 112-07-2 | Oral LD50 Male Rat 3000 mg/kg Oral LD50 Female Rat 2400 mg/kg Oral LD50 Mouse 3200 mg/kg Dermal LD50 Rabbit 1500 mg/kg Inhalation LC50 (6h) Rat > 450 ppm |

Carcinogens:

| Chemical Name | CAS Number | IARC | NTP | OSHA |
|----------------|------------|------|-----|------|
| Not applicable | | | | |

XII. ECOLOGICAL INFORMATION

Toxicity data, if available, are listed below.

XIII. DISPOSAL CONSIDERATIONS

Disposal Methods: Refer to other sections of this MSDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

XIV. TRANSPORTATION INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

| | |
|------------------------|------------------------|
| DOT Basic Description: | Paint Related Material |
| Hazard Class: | 3 |
| UN Number: | UN1263 |
| Packing Group: | II |

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Other:

This product qualifies for a limited quantity exception per CFR173.150(b)(2) and 172.102 Special Provision 149 for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).

XV. REGULATORY INFORMATION

United States Federal Regulations:

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

| | CAS # | % |
|--|-------|---|
|--|-------|---|

SARA EHS Chemicals

Not applicable

CERCLA

| | | |
|---------------------|----------|---------|
| Methyl Ethyl Ketone | 78-93-3 | 40 - 60 |
| Toluene | 108-88-3 | 10 - 30 |

SARA 313

| | | |
|---|----------|---------|
| Toluene | 108-88-3 | 10 - 30 |
| Ethylene glycol monobutyl ether acetate | 112-07-2 | 10 - 30 |

SARA 311/312

| | |
|-------------------|---|
| Health (Acute): | Y |
| Health (chronic): | Y |
| Fire (Flammable): | N |
| Pressure: | N |
| Reactivity: | N |

U. S. State Regulations:

California Prop 65 Chemicals

Cancer

| | | |
|---------|---------|------------|
| Benzene | 71-43-2 | 0.01 - 0.1 |
|---------|---------|------------|

Reproductive

| | | |
|---------|----------|------------|
| Toluene | 108-88-3 | 10 - 30 |
| Benzene | 71-43-2 | 0.01 - 0.1 |

Canadian Regulations:

CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List.

WHMIS Hazard Class: B2 D2A

XVI. ADDITIONAL INFORMATION

Prepared By: Regulatory Department

Disclaimer: This MSDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.

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