

**FAS N FREE ADHESIVE 5 GL.**Version 5.  
REVISION DATE: 11/14/2011

Print Date 11/15/2011

**SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION****Product Information**Trade name : FAS N FREE ADHESIVE 5 GL.  
Product code : 362200 805Supplier : Tremco Canada division  
220 Wicksteed Avenue  
Toronto, ON M4H 1G7Telephone : (416) 421-3300  
Emergency Phone: : (613) 996-6666

Product use : Adhesive

**Preparation Information**Prepared by: : Sewnauth Raghunandan  
Date: : 11/14/2011  
Telephone : (416) 421-3300**SECTION 2 - HAZARDS IDENTIFICATION****Emergency Overview**

Black. Adhesive. May cause slight irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause allergic respiratory sensitization. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel.

**Acute Potential Health Effects/ Routes of Entry**Inhalation : May cause slight irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. May cause allergic respiratory sensitization.  
Eyes : Direct contact may cause mild irritation.  
Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.  
Skin : May cause sensitization resulting in irritation, itching and redness.**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

Overexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. Prolonged or repeated exposure to butyl benzyl phthalate may cause reduced body weights and adverse effects on the liver, kidney, spleen, pancreas, and reproductive organs. Overexposure to maleic anhydride can cause allergic asthmatic responses and, after long-term exposure, bronchitis. Diphenylmethane diisocyanate (methylene bisphenyl isocyanate) caused an increased incidence of lung tumors in experimental animals following long term inhalation at concentrations in excess of 100 times the exposure limit. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Eye, Ingestion, Lung**SECTION 3 : HAZARDOUS INGREDIENTS**

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Chemical Name	CAS-No.	Weight % Range
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Asphalt	8052-42-4	15.0 - 40.0
Butyl benzyl phthalate	85-68-7	15.0 - 40.0
4,4'-Methylene bis(phenylisocyanate)	101-68-8	1.0 - 5.0
Polymethylene polyphenyl isocyanate	9016-87-9	0.5 - 1.5
Maleic anhydride	108-31-6	0.1 - 1.0

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

Inhalation	:	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel.
Eye contact	:	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact	:	Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5: FIRE / EXPLOSION HAZARDS**

Flash point	:	149 °C, 300 °F
Method	:	Pensky-Martens Closed Cup
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	:	Carbon monoxide and carbon dioxide can form. Hydrocyanic acid and nitrogen oxides can form.
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

**SECTION 6 - SPILLS / LEAKS / ACCIDENTAL RELEASE MEASURES**

Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal.

**SECTION 7 - HANDLING AND STORAGE**

Prevent inhalation of vapor, ingestion and contact with skin, eyes and clothing. Preferably use entire contents in one continuous work session. Do not smoke, weld, generate sparks, or use flame near container. Change soiled work clothes frequently. Clean hands thoroughly after handling. Do not store or use near food. Keep container closed when not in use. Since emptied containers retain product residue and vapor, observe precautions even after container is emptied. Store under dry warehouse conditions away from heat and all ignition sources.

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**SECTION 8 - PREVENTIVE MEASURES/EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal protection equipment**

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Use safety glasses if eye contact is likely.
- Skin and body protection : Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures** : Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS

**Exposure Limits**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Regulation</b>	<b>Limit</b>	<b>Form</b>
Asphalt	8052-42-4	ACGIH TWA: benzene solubles	0.5 mg/m <sup>3</sup>	Inhalable fraction.as
		Ontario TWAEV: benzene solubles	0.5 mg/m <sup>3</sup>	Inhalable fumeas
Butyl benzyl phthalate	85-68-7			
4,4'-Methylene bis(phenylisocyanate)	101-68-8	Ontario TWAEV: ACGIH TWA:	0.005 ppm 0.005 ppm	
Polymethylene polyphenyl isocyanate	9016-87-9	Ontario TWAEV: ACGIH TWA:	0.005 ppm 0.005 ppm	
Maleic anhydride	108-31-6	Ontario TWAEV: ACGIH TWA:	0.1 ppm 0.1 ppm	

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Physical State : Liquid (paste)
- Form : Adhesive
- Color : Black
- Odor : Ester
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.

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Boiling point/range	: Not available.
Water solubility	: Insoluble
Evaporation Rate:	: Not available.
Specific Gravity	: 1.0444
% Volatile Weight	: 0 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid	: Amines. Water or moisture and oxidizing agents. Alcohols. Strong acids. Strong bases.
Stability	: Material is stable under normal storage, handling, and use.
Hazardous polymerization	: Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Butyl benzyl phthalate, CAS-No.: 85-68-7	
Acute oral toxicity (LD-50 oral)	13,500 mg/kg ( Rat )
4,4'-Methylene bis(phenylisocyanate), CAS-No.: 101-68-8	
Acute inhalation toxicity (LC-50)	0.369 mg/l for 4 h ( Rat ) 0.38 mg/l for 4 h ( Rat )
Maleic anhydride, CAS-No.: 108-31-6	
Acute oral toxicity (LD-50 oral)	465 mg/kg ( Mouse ) 1,050 mg/kg ( Albino Sprague-Dawley rat ) 900 mg/kg ( Albino Sprague-Dawley rat )
Acute dermal toxicity (LD-50 dermal)	631 mg/kg ( Albino rabbit ) 398 mg/kg ( Albino rabbit )

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Disposal Method : Dispose as hazardous waste according to all local, state, federal and provincial regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**  
All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.



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**Canadian Regulations:**

WHMIS Classification : D2B, D2A

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).

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

**Other Regulations:**

Regulatory VOC (less water and exempt solvent) : 10 g/l

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
Flammability	1
Reactivity	1
PPE	

- 0 = Minimum
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Sewnauth Raghunandan**

**Legend**

- ACGIH - American Conference of Governmental Hygienists
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program
- OSHA - Occupational Safety and Health Administration
- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume
- VOC - Volatile Organic Compound
- WHMIS - Workplace Hazardous Materials Information System