

Franklin International

MATERIAL SAFETY DATA SHEET

MSDS Name: Titebond Blacktop Repair

MSDS Number: 3181

Revision Date: 6/14/04

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Titebond Blacktop Repair
 CAS Number: none
 HMIS Hazard Rating: Health: 1 Fire: 1 Reactivity: 0

Company Identification: Franklin International
 2020 Bruck Street
 Columbus OH 43207

Contact: Franklin Technical Services
 Telephone/Fax: (800) 877-4583 (614) 445-1493
 Emergency Phone (24 Hour): Franklin Security
 (614) 445-1300
 Chemtrec (24 Hour): (800) 424-9300
 Chemtrec International: (703) 527-3887

Product Class: acrylic
 Product Use: blacktop repair
 Product Code: 3181

Division: Construction Adhesives & Sealants

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
calcium carbonate	1317-65-3	52.00
benzoate ester	27138-31-4	7.00
mineral spirits	64742-88-7	1.30

OSHA PELs & ACGIH TLVs are listed in Section 8 where applicable.

SECTION 3 - HAZARD IDENTIFICATION**EMERGENCY OVERVIEW:**

CAUTION: IRRITANT. Contains mineral spirits. Material is a black colored paste. Slippery in the wet state.

ROUTES OF ENTRY:

Inhalation: yes
Ingestion: yes
Skin: no
Eye: yes

INHALATION:

High vapor concentrations may produce headache, dizziness, and nausea. Inhalation of dust generated from dried product may cause respiratory irritation.

INGESTION:

Ingestion is not a probable route of exposure. Harmful if swallowed.

SKIN:

Prolonged or repeated skin contact can cause mild irritation.

EYE:

Mildly irritating to eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin disorders.

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

REPRODUCTIVE TOXICITY:

None currently known.

TARGET ORGANS:

Eyes and skin.

SECTION 4 - FIRST AID MEASURES

INHALATION:

Remove to fresh air. If difficulty persists seek medical attention.

INGESTION:

Call poison control center immediately. Follow their specific instructions. Do not induce vomiting.

SKIN:

Wash with soap and water. Contact a physician if irritation develops or persists.

EYE:

Hold eyelids apart and flush with plenty of water for at least 15 minutes. Seek medical attention.

SECTION 5 - FIRE-FIGHTING MEASURES

Flammability Class (OSHA)

IIIB

Flash Point:

> 200.0F

Method not available

Explosive Range:

Not Applicable

EXTINGUISHING MEDIA:

Foam, CO2, dry chemical.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon may be released during combustion.

FIRE FIGHTING PROCEDURES:

Wear a NIOSH approved self contained breathing apparatus. Wear appropriate personal protective equipment.

Use water spray or fog to cool fire exposed containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES:

Use suitable absorbent to contain the spill.

CLEAN-UP:

If possible pump liquid into an approved container or spread absorbent over spill and shovel product/absorbent mixture into an approved container. If product has dried scrape up and place in an approved container.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Do not get material in eyes.

Use only in well ventilated area.

Avoid prolonged or repeated contact with the skin.

STORAGE:

Keep from freezing.

Store in a cool, dry place.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
calcium carbonate	10.00 mg/M3	N/est	N/est	N/est	15.00 mg/M3
benzoate ester	N/est	N/est	N/est	N/est	N/est
mineral spirits	N/est	N/est	N/est	N/est	500.00 PPM

ENGINEERING CONTROLS:

Use appropriate ventilation as needed to maintain occupational exposure limits.

Maintain standard plant ventilation.

OTHER:

Facilities storing or utilizing any chemical should be equipped with an eyewash facility and a safety shower.

RESPIRATORY PROTECTION:

Respiratory protection is not expected to be necessary under normal use.

EYE PROTECTION:

Chemical splash goggles (ANSI Z87.1 or approved equivalent).

SKIN PROTECTION:

Where repeated or prolonged contact can occur, wear chemical resistant gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Paste
Appearance/Color:	Black
Odor:	Mild acrylic
Solubility (in water):	Yes
pH Value:	8
Boiling Range/Point:	212.øF
Evaporation Rate:	Slower than n-Butyl Acetate
% Volatile:	19.%
Specific Gravity:	1.62
VOC:	47.0 g/l

SECTION 10 - STABILITY AND REACTIVITY

Stability:	This product is stable
Hazardous Polymerization:	Hazardous polymerization will not occur

CONDITIONS TO AVOID:

None known.

INCOMPATIBILITY:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and/or carbon dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Adverse health effects are not expected from normal use of this product. The following is toxological information for individual components.

Mineral spirits can cause mild skin and eye irritation. Overexposure via inahaltion can cause respiratory irritation and central nervous system effects. Mineral spirits can enter the lungs during swallowing or vomiting and cause lung inflammation and chemical pneumonitis. Based on available information, mineral spirits cannot be classified with respect to carcinogenicity.

SECTION 12 - ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Disposal of this product must comply with all applicable federal, state and local regulations.

CONTAINER DISPOSAL:

Disposal of this container should comply with all applicable federal, state and local regulations.

SECTION 14 - TRANSPORT INFORMATION

UN Number	None
UN Pack Group	N/A
UN Class	Nonhaz
ICAO/IATA Class	Nonhazardous
IMDG Class	Nonhazardous
Shipping Name	Nonhazardous

Packaging may not be approved for shipping by air. Please contact Franklin International for further information.

SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substances Control Act Inventory):

All components of this product are listed on the TSCA inventory except as exempted.

PENNSYLVANIA:

Hazardous components required to be listed at 1% or more:

calcium carbonate; limestone; 1317-65-3

mineral spirits; 64742-88-7

Non-hazardous components required to be listed at 3% or more:

water 7732-18-5; dipropylene glycol dibenzoate 27138-31-4

NEW JERSEY:

calcium carbonate 1317-65-3; mineral spirits 64742-88-7; dipropylene glycol dibenzoate 27138-31-4; ethylene glycol 107-21-1; octylphenol ethoxylate 9036-19-5

SECTION 16 - OTHER INFORMATION

DISCLAIMER:

While the information and recommendations set forth herein are believed to be accurate as of the data hereof, Franklin International makes no warranty, express or implied, with respect thereto and disclaims all liability from reliance thereon.