



MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
BEACHWOOD, OHIO 44122-8068

TELEPHONE: (216)292-5000

EMERGENCIES: (216)765-6727 8:30-5:00 EST
AFTER HOURS: CHEMTREC (800)424-9300

SECTION 1

Order Code: 365200 805

Product Name: POWERPLY RUBBERIZED COLD ADHESIVE
Chemical Name:
Chemical Family: ADHESIVE
Product Code: 365-200
MSDS Preparer: R. A. MIKOL
Date Prepared: 08-JUL-02
Replaces Date: 26-OCT-99

Section 2 - Molecular Composition

Common Name and Chemical Name Exposure Limits	Weight %	CAS Number
ASPHALT OSHA:TWA - STEL - ACGIH:TWA 0.5 mg/M3 STEL -	50.0-65.0	64741-56-6 (fumes as benzene extractable inhalable particulates)
PETROLEUM NAPHTHA (MINERAL SPIRITS) OSHA:TWA 100 ppm STEL - ACGIH:TWA 100 ppm STEL -	15.0-25.0	64742-88-7
CALCIUM CARBONATE (LIMESTONE) OSHA:TWA 15 mg/M3 STEL - ACGIH:TWA 10 mg/M3 STEL -	5.0-15.0	1317-65-3 (total dust, 5mg/M3 respirable fraction) (total dust, no asbestos, <1% SiO2)
MAGNESIUM ALUMINUM SILICATE (CLAY) OSHA:TWA 15 mg/M3 STEL - ACGIH:TWA 10 mg/M3 STEL -	1.0-5.0	8031-18-3 (total nuisance dust) (total nuisance dust)
INERT FILLER OSHA:TWA 15 mg/M3 STEL - ACGIH:TWA 10 mg/M3 STEL -	3.0-7.0	Trade Secret (total dust, 5mg/M3 respirable fraction) (total dust, no asbestos, <1% SiO2)
SULFUR OSHA:TWA - STEL - ACGIH:TWA - STEL -	1.0-3.0	7704-34-9
CRYSTALLINE SILICA (QUARTZ) OSHA:TWA 0.10 mg/M3 STEL - ACGIH:TWA 0.10 mg/M3 STEL -	0.1-0.5	14808-60-7 (respirable dust) (respirable dust)

Section 3 - Hazards Identification

Emergency Overview:
Black liquid. Can cause headache, dizziness, drowsiness, or irritation to the skin, eyes and respiratory system. If inhaled leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Potential Hlth Effect/Rte of Entry:

Inhalation:
Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.
Eyes:
Can cause irritation.
Ingestion:
Can cause gastrointestinal irritation.
Skin:
Can cause irritation.

Aggravated Medical Conditions:

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

Acute Health Effects:

See effects described above.

Chronic Health Effects:

Prolonged or repeated skin contact with asphalt in these products may result in irritation and dermatitis. Although a direct association between asphalt and cancer or other lung disease has not been established in man, asphalts contain variable amounts of polycyclic aromatic hydrocarbons and other volatiles which have been shown to cause cancer and respiratory damage in animals. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause the defatting, irritation, dermatitis, narcotic and CNS effects described above, liver effects, and jaundice. Kidney and lung effects have been noted in some animal species. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Section 4 - First Aid Measures

Inhalation:

Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Eyes:

Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Ingestion:

Get medical attention immediately.

Skin:

Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Notes to Physician:

N/A

Section 5 - Fire Fighting Measures

Flash Point: 115 F
Method: PMCC
Lower Flammability Limit: 0.7%
Upper Flammability Limit: 6%
Autoignition Temperature: NOT ESTABLISHED
Extinguishing Media:

If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Fire and Explosion Hazards:

Never use welding or cutting torch on or near container (even empty). Product, residue or vapor may ignite. See Section 7 for additional precautions.

Special Fire Fighting Procedures:

During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

Fire Fighting Equipment:

N/A

Other Precautions:

Not Applicable

Section 6 - Accidental Release Measures

Release Response Overview:

Remove sources of ignition immediately. Ventilate to reduce the airborne contaminant concentration below the exposure limit in Section 2 of the MSDS. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

Section 7 - Handling and Storage

Handling and Storage Precautions:

Store in closed container below 80F. Keep product and vapor away from heat, sparks and flame. Do not store in direct sunlight. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Change soiled workclothes frequently. Clean hands thoroughly after handling. To prevent gases, vapors or fumes from migrating into occupied sections of the building, close or cover all openings including windows, doors and air intakes during and after application until gases, vapors or fumes dissipate. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

Section 8 - Exposure Controls/Personal Protection

Respiratory:

Wear appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant level(s) exceed the exposure limits indicated on the MSDS. Follow respirator manufacturer's directions for respirator use.

Skin:

Protect hands with impervious rubber gloves and wear rubber apron and overshoes. Prevent contact with skin.

Eyes:

Chemical splash goggles.

Face:

Face shield is recommended.

Engineering:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit in Section 2 of the MSDS.

Section 9 - Physical and Chemical Properties

Odor/Appearance:	SOLVENT/BLACK LIQUID
Color:	BLACK
Physical State:	LIQUID
pH:	
Vapor Pressure:	NOT ESTABLISHED
Vapor Density:	>1
Boiling Point:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility in Water:	NEGLIGIBLE
Specific Gravity:	1.033
% Volatile Weight:	25.3

Section 10 - Reactivity/Stability

Stability:

Stable

Incompatible Products:

Avoid contact with strong oxidizing agents.

Conditions to Avoid Polymerization:
Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Eyes: SEE SECTION 3
Ingestion: " " "
Inhalation: " " "
Skin: " " "
Subchronic: " " "
Chronic: " " "

Section 12 - Ecological Information

Ecotoxicological Data: N/A
Chemical Fate: N/A

Section 13 - Disposal Considerations

RCRA Class:
D001 - IGNITABLE LIQUID OR SOLID WASTE (RQ = 100.0 LB)

Disposal Method:
Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Incinerate at EPA approved facility or dispose of in compliance with federal, state and local regulations.

EPA Reportable Quantities

N/A

Section 14 - Transportation Data

DOT Shipping Name: SEE BELOW
DOT Hazard Class: COMBUSTIBLE
DOT Label: NONE (INTERN'L FLAMMABLE)
UN/NA Number: SEE BELOW
Packing Group: SEE BELOW
Special Provisions:
Packaging

Exceptions:
Non-Bulk:
Bulk:

Quantity Limitations

Passenger Aircraft or Railcar:
Cargo Aircraft:

Vessel Stowage Requirements

Vessel Stowage:
Other Stowage:

Transportation Notes:

TYPE OF CONTAINER/SHIPMENT	PROPER SHIPPING NAME	HAZARD CLASS	UN/NA#
LESS THAN 110 GAL/DOMESTIC	NOT REGULATED	NOT REGULATED	N/A
MORE THAN 110 GAL/DOMESTIC	COMBUSTIBLE LIQUID N.O.S.(MINERAL SPIRITS)	COMBUSTIBLE, CLASS3,PGIII	NA1993
ALL CONTAINERS/FOR AIR-	FLAMMABLE LIQUID		

FREIGHT OR INTERNATIONAL SHIPMENTS N.O.S.(MINERAL SPIRITS) FLAMMABLE, CLASS3,PGIII UN1993

Section 15 - Regulatory Information

TSCA Status: On the TSCA Inventory
OSHA Status: Considered hazardous based on the following criteria:
Irritant

Target Organs

Liver
Kidney
Nerve
Lung

OSHA Hazardous Components	CAS Number
INERT FILLER	Trade Secret
CALCIUM CARBONATE (LIMESTONE)	1317-65-3
MAGNESIUM ALUMINUM SILICATE (CLAY)	8031-18-3
* CRYSTALLINE SILICA (QUARTZ)	14808-60-7
* ASPHALT	64741-56-6
PETROLEUM NAPHTHA (MINERAL SPIRITS)	64742-88-7

* - CHEMICAL IS LISTED AS AN IARC, NTP, OSHA, or ACGIH CARCINOGEN

SARA 311 Ratings

Immediate Health Hazard: Y
Delayed Health Hazard: Y
Fire Hazard: Y
Reactivity Hazard: N
Sudden Release of Pressure Hazard: N

SARA 313 Ingredients

No SARA 313 Ingredients

Compliance Quantities

Source	Type	Threshold Unit of Measure
RCRA (D001)	REPORTABLE QUANTITY	100.0 POUNDS

Proposition 65 Ingredients

Chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm.

	CAS Number
CRYSTALLINE SILICA (QUARTZ)	14808-60-7
ASPHALT	64741-56-6

Section 16 - Other 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 HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE CONDITION.