



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name VOLCLAY® SB-PRIMER
Version # 06
Revision date 24-February-2011
Chemical description Liquid
CAS # Mixture
Manufacturer information CETCO
Building Materials Group
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Hoffman Estates, IL 60192 US
safety.data@amcol.com
<http://www.cetco.com/>
General Information (800) 527-9948
CHEMTREC® (800) 424-9300

2. Hazards Identification

Emergency overview Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Harmful by inhalation. Also harmful if swallowed. Vapors may cause drowsiness and dizziness.

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact

Eyes Contact causes severe eye irritation. Symptoms include itching, burning, redness and tearing.

Skin Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation Excessive inhalation of vapors from this product may cause weakness, dizziness, confusion and numbness of limbs. Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Ingestion Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into lungs may cause chemical pneumonia and lung damage.

Chronic effects May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Prolonged skin contact may defat the skin and produce dermatitis.

3. Composition / Information on Ingredients

Components	CAS #	Percent
RUBBER	9006-04-6	40 - 60
ACETONE	67-64-1	20 - 40
Heptane (n-)	142-82-5	20 - 40

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.

Skin contact Wash off with warm water and soap. Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. If the affected person is not breathing, apply artificial respiration. Get medical attention immediately.

Ingestion If swallowed, do NOT induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. Call a physician or Poison Control Center immediately.

Notes to physician This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties Vapor or gas may spread to distant ignition sources and flash back.

Extinguishing media

Suitable extinguishing media Dry chemical, foam, carbon dioxide. Do not use water. Do not use a solid water stream as it may scatter and spread fire.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Protection of firefighters

Protective equipment and precautions for firefighters Cool containers with flooding quantities of water until well after fire is out. Do not scatter spilled material with high pressure water streams.

Fire fighting equipment/instructions Cool containers with flooding quantities of water until well after fire is out. Do not scatter spilled material with high pressure water streams.

Specific methods In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

Hazardous combustion products Fire may produce irritating, corrosive and/or toxic gases. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Do not touch or walk through spilled material. Keep unnecessary personnel away.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water. Runoff from fire control or dilution water may cause pollution.

Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).

Methods for cleaning up Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material.

7. Handling and Storage

Handling Do not handle or store near an open flame, heat or other sources of ignition. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors.

When using, do not eat, drink or smoke. Do not cut or weld on empty drums unless they are thoroughly cleaned.

Do not get this material in your eyes, on your skin, or on your clothing. Wash hands after handling and before eating. Remove and wash contaminated clothing before re-use. Avoid prolonged or repeated skin contact with this material.

Storage Keep out of the reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	Type	Value	Form
ACETONE (67-64-1)	STEL	750.0000 ppm	
	TWA	500.0000 ppm	
RUBBER (9006-04-6)	TWA	0.0001 mg/m3	Inhalable fraction.

U.S. - OSHA

Components	Type	Value
ACETONE (67-64-1)	PEL	1000.0000 ppm
		2400.0000 mg/m3

Components	Type	Value
Heptane (n-) (142-82-5)	STEL	1000.0000 ppm
		2400.0000 mg/m3
	TWA	750.0000 ppm
		1800.0000 mg/m3
	PEL	2000.0000 mg/m3
		500.0000 ppm
	STEL	500.0000 ppm
		2000.0000 mg/m3
	TWA	400.0000 ppm
		1600.0000 mg/m3

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Explosion proof exhaust ventilation should be used.

Personal protective equipment

- Eye / face protection** Wear chemical goggles.
- Skin protection** Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves. Recommended gloves include rubber, neoprene, nitrile or viton.
- Respiratory protection** If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
- General hygiene considerations** Eye wash fountain and emergency showers are recommended. Use good industrial hygiene practices in handling this material. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

- Appearance** Free flowing Liquid.
- Color** Black.
- Odor** Acetone-like.
- Odor threshold** Not available.
- Physical state** Not available.
- Form** Liquid.
- pH** Not available.
- Melting point/Freezing point** Not available.
- Boiling point** 132 °F (55.6 °C)
- Flash point** -8 °F (-22.2 °C) Tag Closed Cup
- Evaporation rate** Not available.
- Flammability limits in air, upper, % by volume** < 12.8 % v/v
- Flammability limits in air, lower, % by volume** > 1 % v/v
- Vapor pressure** 185 mm Hg
- Vapor density** 2.8 Estimated heavier than air
- Specific gravity** 0.83
- Relative density** Not available.
- Solubility (water)** Moderate
- Partition coefficient (n-octanol/water)** Not available.
- Auto-ignition temperature** Not available.
- Decomposition temperature** Not available.
- VOC** 2.37 lb/gal
- Percent volatile** 68 % v/v

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Product

VOLCLAY® SB-PRIMER (Mixture)

Test Results

Acute Dermal LD50 Rabbit: 76923 mg/kg
Acute Inhalation LC50 Rat: 303 g/cu m estimated
Acute Inhalation LC50 Rat: 303 g/m3 estimated
Acute Inhalation LC50 Rat: 292 mg/l/4h
Acute Inhalation LC50 Rat: 135 mg/l estimated
Acute Inhalation LD50 Mouse: 221 mg/l estimated
Acute Inhalation LD50 Mouse: 221 g/cu m estimated
Acute Inhalation LD50 Mouse: 221 g/m3 estimated
Acute Oral LD50 Mouse: 11538 mg/kg estimated
Acute Oral LD50 Mouse: 20 g/kg estimated
Acute Oral LD50 Rabbit: 20538 mg/kg estimated
Acute Oral LD50 Rat: 30000 mg/kg estimated
Acute Other LD50 Mouse: 577 mg/kg estimated

Components

Heptane (n-) (142-82-5)

Test Results

Acute Dermal LD50 Rabbit: 3000 mg/kg
Acute Inhalation LC50 Rat: 103 mg/l 4.00 Hours
Acute Inhalation LD50 Mouse: 75 mg/l 2.00 Hours
Acute Other LD50 Mouse: 222 mg/kg
Acute Dermal LD50 Rabbit: 20 mg/kg
Acute Inhalation LC50 Rat: 50.1 mg/l 8.00 Hours
Acute Oral LD50 Mouse: 3000 mg/kg
Acute Oral LD50 Mouse: 5.2 g/kg
Acute Oral LD50 Rabbit: 5340 mg/kg
Acute Oral LD50 Rat: 5800 mg/kg
Acute Other LD50 Mouse: 1297 mg/kg
Acute Other LD50 Rat: 5500 mg/kg

ACETONE (67-64-1)

Sensitization

US ACGIH Threshold Limit Values: Skin designation

RUBBER (CAS 9006-04-6)

Can be absorbed through the skin.

Local effects

Irritating to eyes and skin.

Chronic effects

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Carcinogenicity

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

ACGIH Carcinogens

ACETONE (CAS 67-64-1)

A4 Not classifiable as a human carcinogen.

12. Ecological Information

Ecotoxicological data

Product

VOLCLAY® SB-PRIMER (Mixture)

Test Results

EC50 Daphnia: 26965 mg/l 48.00 Hours estimated

LC50 Fish: 6209 mg/l 96.00 Hours estimated

Components

Heptane (n-) (142-82-5)

Test Results

LC50 Fish: 375 mg/L 96.00 Hours

LC50 Mozambique tilapia (Tilapia mossambica): 375 mg/l 96.00 hours

ACETONE (67-64-1)

EC50 Daphnia: 12600 mg/L 48.00 Hours

EC50 Water flea (Daphnia magna): 21.6 - 23.9 mg/l 48.00 hours

LC50 Fathead minnow (Pimephales promelas): >= 100 mg/l 96.00 hours

LC50 Fish: 5540 mg/L 96.00 Hours

Ecotoxicity Components of this product are hazardous to aquatic life.

Persistence and degradability Not available.

13. Disposal Considerations

Waste codes

US RCRA Hazardous Waste U List: Reference

ACETONE (CAS 67-64-1)

U002

Disposal instructions Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Basic shipping requirements:

UN number UN1133

Proper shipping name Adhesives

Hazard class 3

Packing group II

Special precautions Substance may be transported hot.

Additional information:

Special provisions 149, B52, IB2, T4, TP1, TP8

Basic shipping requirements:

Labels required 3

Additional information:

Packaging exceptions 150

Packaging non bulk 173

Packaging bulk 242

ERG number 128

DOT

Packages less than 83 lbs

Basic shipping requirements:

UN number UN1993

Proper shipping name Flammable liquids, n.o.s. (ACETONE RQ=19231 LBS)

Hazard class 3

Packing group II

Special precautions Substance may be transported hot.

Additional information:

Special provisions IB2, T7, TP1, TP8, TP28

Basic shipping requirements:

Labels required 3

Additional information:

Packaging exceptions 150

Packaging non bulk 202

Packaging bulk 242
ERG number 128



DOT



DOT

Packages less than 83
lbs

15. Regulatory Information

US federal regulations OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

US TSCA Section 12(b) Export Notification: Export Notification requirement/De minimis concentration

Heptane (n-) (CAS 142-82-5)

1.0 % One-Time Export Notification only.

CERCLA (Superfund) reportable quantity

ACETONE: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

ACETONE (CAS 67-64-1)

Listed.

Heptane (n-) (CAS 142-82-5)

Listed.

16. Other Information

Recommended restrictions

Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

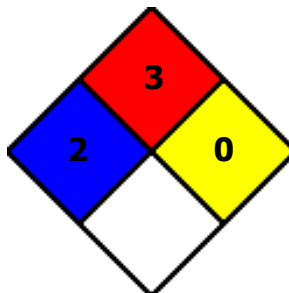
Further information

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

HMIS ratings

HMIS®		
HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

NFPA ratings



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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