



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name ENVIROPRIMER SB
Version # 11
Revision date 29-February-2012
CAS # Mixture
Manufacturer information CETCO
Building Materials Group
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Hoffman Estates, IL 60192 United States
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 may irritate or burn eyes.
Skin This product may cause irritation to the skin.
Inhalation Irritating to the nose, throat, and respiratory tract. Inhalation of mists/vapors of this product may cause dizziness, nausea, and respiratory tract congestion.
Ingestion Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

Target organs Overexposure causes kidney and liver 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
Toluene	108-88-3	40 - 60
ACETONE	67-64-1	2.5 - 10

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 Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. 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. Call a physician if symptoms develop or persist.
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 product contains toluene and acetone.

General advice Remove from exposure, lie down.

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	Firefighters should wear full protective gear. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
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. Use clean non-sparking tools to collect absorbed material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

7. Handling and Storage

Handling	<p>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.</p> <p>Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors.</p> <p>When using, do not eat, drink or smoke. Do not cut or weld on empty drums unless they are thoroughly cleaned.</p> <p>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.</p>
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

US. ACGIH Threshold Limit Values

Components	Type	Value
ACETONE (67-64-1)	STEL	750 ppm
	TWA	500 ppm
Toluene (108-88-3)	TWA	20 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
ACETONE (67-64-1)	PEL	2400 mg/m ³
		1000 ppm

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Toluene (108-88-3)	Ceiling	300 ppm

Components	Type	Value
	TWA	200 ppm
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. The use of neoprene gloves is recommended.	
Respiratory protection	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.	
General hygiene considerations	When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice. Use protective skin cream before handling the product.	

9. Physical & Chemical Properties

Appearance	Liquid.
Physical state	Liquid.
Form	Liquid.
Color	Blue.
Odor	Hydrocarbon-like.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	0.105 atm 79.518848077 hPa estimated
Vapor density	> air Estimated heavier than air
Boiling point	180 - 232 °F (82.2 - 111.1 °C) 216 °F (102.207692541 °C) estimated
Melting point/Freezing point	-138.8 °F (-94.86923077 °C) estimated
Solubility (water)	Not available.
Specific gravity	0.91 0.852246763 estimated
Relative density	Not available.
Flash point	-4 °F (-20 °C) Tag Closed Cup 42.3 °F (5.743569355 °C) estimated
Flammability limits in air, upper, % by volume	< 12.8 % v/v 4.275 % estimated
Flammability limits in air, lower, % by volume	> 1.2 % v/v 0.7988 % estimated
Auto-ignition temperature	869 °F (465 °C) 891.8 °F (477.692307756 °C) estimated
VOC	450 g/l 54.166666 % estimated
Percent volatile	53 % 54.166666 % estimated
Other data	
Density	0.852161538 g/cm3 estimated
Flammability class	Flammable IB estimated
Flash point class	Flammable IB

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions. Risk of ignition.
Conditions to avoid	Heat, flames and sparks.

Incompatible materials	Acids. 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	Test Results
ENVIOPRIMER SB (Mixture)	Acute Dermal LD50 Rabbit: 236.8951 mg/kg estimated Acute Dermal LD50 Rabbit: 30.7637 ml/kg estimated Acute Dermal LD50 Rat: 26452.3828 mg/kg estimated Acute Inhalation LC50 Mouse: 872.7279 mg/l estimated Acute Inhalation LC50 Rat: 581.1842 mg/l estimated Acute Inhalation LC50 Rat: 27.2727 mg/l/4h estimated Acute Oral LD50 Mouse: 36000.1445 mg/kg estimated Acute Oral LD50 Mouse: 62.4002 g/kg estimated Acute Oral LD50 Rabbit: 64080.2578 mg/kg estimated Acute Oral LD50 Rat: 1360.5125 mg/kg estimated Acute Oral LD50 Rat: 5.6727 g/kg estimated Acute Other LD50 Mouse: 127.6714 mg/kg estimated Acute Other LD50 Mouse: 2.5091 g/kg estimated Acute Other LD50 Rat: 2783.6133 mg/kg estimated Acute Other LD50 Rat: 3.5782 g/kg estimated
Components	Test Results
Toluene (108-88-3)	Acute Dermal LD50 Rabbit: 8390 mg/kg Acute Dermal LD50 Rabbit: 14.1 ml/kg Acute Dermal LD50 Rat: 12124 mg/kg Acute Inhalation LC50 Mouse: 400 mg/l 24 Hours Acute Inhalation LC50 Rat: 8000 mg/l 4 Hours Acute Inhalation LC50 Rat: 12.5 mg/l/4h Acute Oral LD50 Rat: 636 mg/kg Acute Oral LD50 Rat: 2.6 g/kg Acute Other LD50 Mouse: 59 mg/kg Acute Other LD50 Mouse: 1.15 g/kg Acute Other LD50 Rat: 1332 mg/kg Acute Other LD50 Rat: 1.64 g/kg
ACETONE (67-64-1)	Acute Dermal LD50 Rabbit: 20 mg/kg Acute Inhalation LC50 Rat: 50.1 mg/l 8 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
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	
ACGIH Carcinogens	
ACETONE (CAS 67-64-1)	A4 Not classifiable as a human carcinogen.
Toluene (CAS 108-88-3)	A4 Not classifiable as a human carcinogen.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
Mutagenicity	Animal experiments showed mutagenic and teratogenic effects.
Teratogenicity	Animal experiments showed mutagenic and teratogenic effects.

12. Ecological Information

Ecotoxicological data

Product

ENVIROPRIMER SB (Mixture)

Test Results

EC50 Daphnia: 22.7682 mg/L 48 Hours estimated
LC50 Fish: 170.9503 mg/L 96 Hours estimated

Components

Toluene (108-88-3)

Test Results

EC50 Daphnia: 11.3 mg/L 48 Hours
EC50 Water flea (Daphnia magna): 5.46 - 9.83 mg/l 48 hours
LC50 Coho salmon, silver salmon (Oncorhynchus kisutch): 5.5 mg/l 96 hours
LC50 Fish: 25 mg/L 96 Hours

ACETONE (67-64-1)

EC50 Daphnia: 12600 mg/L 48 Hours
EC50 Water flea (Daphnia magna): 21.6 - 23.9 mg/l 48 hours
LC50 Fathead minnow (Pimephales promelas): > 100 mg/l 96 hours
LC50 Fish: 5540 mg/L 96 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

Toluene (CAS 108-88-3)

U220

Disposal instructions

Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Basic shipping requirements:

UN number UN1263

Proper shipping name Paint

Hazard class 3

Packing group II

Additional information:

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

Packaging exceptions 150

Packaging non bulk 173

Packaging bulk 242

ERG number 128

DOT

Packages less than 83 lbs

Basic shipping requirements:

UN number UN1263

Proper shipping name Paint

Hazard class 3

Packing group II

Additional information:

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

Packaging exceptions 150

Packaging non bulk 173

Packaging bulk 242

ERG number 128

IATA

Basic shipping requirements:

Proper shipping name Paint
Hazard class 3
UN number UN1263
Packing group II

Additional information:

Packaging exceptions 150

Basic shipping requirements:

Labels required 3

Additional information:

Packaging non bulk 173

Packaging bulk 242

IMDG

Basic shipping requirements:

Proper shipping name Paint
Hazard class 3
UN number UN1263
Packing group II

Additional information:

Packaging exceptions 150

Basic shipping requirements:

Labels required 3



DOT



DOT

Packages less than 83
lbs



IATA



IMDG

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.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

ACETONE (CAS 67-64-1)	150 KG_W
Toluene (CAS 108-88-3)	159 KG_W
ACETONE (CAS 67-64-1)	50 GALLONS_V
Toluene (CAS 108-88-3)	50 GALLONS_V

DEA Essential Chemical Code Number

ACETONE (CAS 67-64-1)	6532
Toluene (CAS 108-88-3)	6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

ACETONE (CAS 67-64-1)	35 %WV
Toluene (CAS 108-88-3)	35 %WV

DEA Exempt Chemical Mixtures Code Number

ACETONE (CAS 67-64-1)	6532
Toluene (CAS 108-88-3)	594

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Toluene (CAS 108-88-3)	1.0 %
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US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Toluene (CAS 108-88-3)	Listed.
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CERCLA (Superfund) reportable quantity

Toluene: 1000.0000
 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)	No
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	Yes

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

State regulations

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Toluene (CAS 108-88-3) Listed: January 1, 1991 Developmental toxin.

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Toluene (CAS 108-88-3) Listed: August 7, 2009 Female reproductive toxin.

US - New Jersey RTK - Substances: Listed substance

ACETONE (CAS 67-64-1) Listed.

Toluene (CAS 108-88-3) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

ACETONE (CAS 67-64-1) Listed.

Toluene (CAS 108-88-3) Listed.

16. Other Information**Further information**

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

HMIS® ratings

Health: 2*
 Flammability: 3
 Physical hazard: 0

NFPA ratings

Health: 2
 Flammability: 3
 Instability: 0

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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