MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name LDC 60H

Version # 05

Revision date 29-January-2009

CAS # Mixture

Manufacturer CETCO
Building Materials Group
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General Information (800) 527-9948
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2. Hazards Identification

Potential health effects

Eyes Liquid or vapors may irritate the eyes. Symptoms include itching, burning, redness and tearing.

Skin Can cause moderate injury (reddening and swelling). May cause sensitization by skin contact.

Inhalation Inhalation of vapors or mists of the product may be irritating to the respiratory system. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. May cause sensitization by inhalation.

Ingestion Ingestion may cause irritation to mucous membranes. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic effects Danger of serious damage to health by prolonged exposure. Repeated exposure may lead to respiratory sensitization reactions, producing an asthma-like condition. Contains cancerous components.

3. Composition / Information on Ingredients

Components	CAS #	Percent
CALCIUM CARBONATE	1317-65-3	20 - 40
ANTHRACENE	120-12-7	2.5 - 10
CARBON BLACK	1333-86-4	2.5 - 10
LIME	1305-78-8	2.5 - 10
STODDARD SOLVENT	8052-41-3	2.5 - 10
Di(2-ethylhexyl)phthalate	117-81-7	0.1 - 1
Non-hazardous and other components below reportable levels		60 - 80

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact Wash affected area with mild soap and water. Rinse skin with water. Get medical attention if irritation develops or persists.

Inhalation Remove to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

Ingestion If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Call a physician or Poison Control Center immediately.

5. Fire Fighting Measures

Flammable properties The product is not flammable.

Extinguishing media

Suitable extinguishing media Dry chemical, CO2, water spray or regular foam.

Protection of firefighters

Protective equipment and precautions for firefighters Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire.

Hazardous combustion products Carbon monoxide, carbon dioxide, various hydrocarbon fragments as well as thick smoke.

6. Accidental Release Measures

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Methods for cleaning up 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 Use this product with adequate ventilation. Do not breathe gas/fumes/vapor/spray. Do not get this material in contact with skin or eyes. Wash hands after handling and before eating.

Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. Keep this product from heat, sparks, or open flame.

Storage Keep this material away from food, drink and animal feed. Keep away from heat, sparks, and flame. Keep in a dry, cool and well-ventilated place. Keep container closed when not in use.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	Type	Value
CARBON BLACK (1333-86-4)	TWA	3.5 mg/m3
Di(2-ethylhexyl)phthalate (117-81-7)	TWA	5 mg/m3
LIME (1305-78-8)	TWA	2 mg/m3
STODDARD SOLVENT (8052-41-3)	TWA	100 ppm

U.S. - OSHA

Components	Type	Value	Form
CALCIUM CARBONATE (1317-65-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
CARBON BLACK (1333-86-4)	PEL	3.5 mg/m3	
	TWA	3.5 mg/m3	
Di(2-ethylhexyl)phthalate (117-81-7)	PEL	5 mg/m3	
	STEL	10 mg/m3	
	TWA	5 mg/m3	
LIME (1305-78-8)	PEL	5 mg/m3	
	TWA	5 mg/m3	
STODDARD SOLVENT (8052-41-3)	PEL	500 ppm	
		2900 mg/m3	
	TWA	100 ppm	
		525 mg/m3	

Engineering controls	Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Personal protective equipment	
Eye / face protection	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain is recommended.
Skin protection	Use of protective coveralls and long sleeves is recommended. Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.
Respiratory protection	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
General hygeine considerations	Use good industrial hygiene practices in handling this material. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

9. Physical & Chemical Properties

Appearance	Liquid.
Color	Black.
Odor	Solvent.
Odor threshold	Not available.
Physical state	Liquid.
Form	Not available.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	150 °F (65.6 °C)
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.2
Relative density	Not available.
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	100 g/l
Percent volatile	17 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	None known.
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	Test Results
LDC 60H (Mixture)	Acute Dermal LD50 Rabbit: 8681 mg/kg estimated
	Acute Dermal LD50 Rat: 7477 mg/kg estimated
	Acute Inhalation LC50 Guinea pig: 15569 mg/l estimated
	Acute Inhalation LC50 Mouse: 11976 mg/l estimated
	Acute Inhalation LC50 Rat: 16766 mg/l estimated
	Acute Inhalation LC50 Rat: 876 mg/l/4h
	Acute Inhalation LC50-R Rabbit: 13174 mg/l estimated
	Acute Oral LD50 Rat: 7104 mg/kg estimated

Components	Test Results
Di(2-ethylhexyl)phthalate (117-81-7)	Acute Dermal LD50 Guinea pig: 10000 mg/kg
	Acute Dermal LD50 Rabbit: 24500 mg/kg
	Acute Inhalation LC50 Rat: 10.6201 mg/l/4h
	Acute Oral LD50 Guinea pig: 26300 mg/kg
	Acute Oral LD50 Mouse: > 30000 mg/kg
	Acute Oral LD50 Rabbit: 33900 mg/kg
	Acute Oral LD50 Rat: 6860 mg/kg
	Acute Other LD50 Rat: 30.7 g/kg
ANTHRACENE (120-12-7)	Acute Dermal LD50 Rat: 1320.0001 mg/kg
	Acute Oral LD50 Rat: 16000.0001 mg/kg
LIME (1305-78-8)	Acute Oral LD50 Rat: 500 mg/kg

* Estimates for product may be based on additional component data not shown.

Sensitization May cause sensitization by inhalation and skin contact.

Carcinogenicity

IARC Monographs on Occupational Exposures to Chemical Agents: Overall evaluation

ANTHRACENE (120-12-7)	3 Classification not possible from current data.
CARBON BLACK (1333-86-4)	2B Possible carcinogen.
Di(2-ethylhexyl)phthalate (117-81-7)	3 Classification not possible from current data.

US ACGIH Threshold Limit Values: A3 carcinogen

Di(2-ethylhexyl)phthalate (117-81-7)	Group A3 Confirmed animal carcinogen with unknown relevance to humans.

US ACGIH Threshold Limit Values: A4 carcinogen

CARBON BLACK (1333-86-4)	Group A4 Not classifiable as a human carcinogen.

US NTP Report on Carcinogens: Anticipated carcinogen

Di(2-ethylhexyl)phthalate (117-81-7)	Anticipated carcinogen.

12. Ecological Information

Ecotoxicological data

Product	Test Results
LDC 60H (Mixture)	EC50 Daphnia: 14.32 mg/l 48.00 Hours estimated
	LC50 Fish: 0.4905 mg/l 96.00 Hours estimated

Components	Test Results
Di(2-ethylhexyl)phthalate (117-81-7)	EC50 Daphnia: 9.4 mg/L 48.00 Hours
	EC50 Water flea (Daphnia pulex): 0.133 mg/l 48.00 Hours
	IC50 Algae: 130.0001 mg/L 72.00 Hours

Components	Test Results
Di(2-ethylhexyl)phthalate (117-81-7)	LC50 Fathead minnow (Pimephales promelas): > 0.16 mg/l 96.00 Hours
	LC50 Fish: 10.0001 mg/L 96.00 Hours
ANTHRACENE (120-12-7)	EC50 Daphnia: 0.754 mg/L 48.00 Hours
	EC50 Water flea (Daphnia magna): 0.081 - 0.112 mg/l 48.00 Hours
	LC50 Bluegill (Lepomis macrochirus): 0 - 0.0032 mg/l 96.00 Hours
	LC50 Fish: 19.195 mg/L 96.00 Hours
LIME (1305-78-8)	LC50 Fish: 1070 mg/L 96.00 Hours

* Estimates for product may be based on additional component data not shown.

Ecotoxicity No data available for this product.

Environmental effects No data available for this product.

Persistence and degradability Not available.

13. Disposal Considerations

Waste codes

US RCRA Hazardous Waste U List: Reference

Di(2-ethylhexyl)phthalate (117-81-7) U028

Disposal instructions Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Not regulated as hazardous goods.

IATA

Not regulated as hazardous goods.

IMDG

Not regulated as hazardous goods.

15. Regulatory Information

US federal regulations

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

ANTHRACENE (120-12-7) 1.0 %
Di(2-ethylhexyl)phthalate (117-81-7) 0.1 %

CERCLA (Superfund) reportable quantity

ANTHRACENE: 5000.0000
Di(2-ethylhexyl)phthalate: 100.0000

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 Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (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)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
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 cancer and birth defects or other reproductive harm.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

CARBON BLACK (1333-86-4)	Listed.
Di(2-ethylhexyl)phthalate (117-81-7)	Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (1333-86-4)	Listed: February 21, 2003 Carcinogenic.
Di(2-ethylhexyl)phthalate (117-81-7)	Listed: January 1, 1988 Carcinogenic.

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

Di(2-ethylhexyl)phthalate (117-81-7)	Listed: October 24, 2003 Developmental toxin.

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

Di(2-ethylhexyl)phthalate (117-81-7)	Listed: October 24, 2003 Male reproductive toxin.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

ANTHRACENE (120-12-7)	500 LBS
Di(2-ethylhexyl)phthalate (117-81-7)	500 LBS

US - Pennsylvania RTK - Hazardous Substances: Listed substance

ANTHRACENE (120-12-7)	Listed.
CALCIUM CARBONATE (1317-65-3)	Listed.
CARBON BLACK (1333-86-4)	Listed.
Di(2-ethylhexyl)phthalate (117-81-7)	Listed.
LIME (1305-78-8)	Listed.
STODDARD SOLVENT (8052-41-3)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Di(2-ethylhexyl)phthalate (117-81-7)	Special hazard.

16. Other Information

Further information

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

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.

HMIS ratings

NFPA ratings	Health: 2 Flammability: 2 Instability: 1
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. Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Issue date	29-January-2009
This data sheet contains changes from the previous version in section(s):	Other Information: Other information Other Information: Recommended restrictions
Other information	CETCO is an AMCOL International company.