

SAFETY DATA SHEET

1. Identification

Product identifier	LDC 60H	
Other means of identification	None.	
Recommended use	Not available.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	CETCO, an MTI Company	
Address	2870 Forbs Avenue Hoffman Estates, IL 60192 United States	
Telephone	General Information	800 527-9948
Website	http://www.cetco.com/	
E-mail	safetydata@mineralstech.com	
Emergency phone number	Emergency	1.866.519.4752/1 760 476 3962
Americas	1.866.519.4752 (US, Canada, Mexico) 1 760 476 3962	

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 4
Health hazards	Acute toxicity, inhalation	Category 4
	Sensitization, respiratory	Category 1
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1A
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Combustible liquid. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause genetic defects. May cause cancer.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from flames and hot surfaces-No smoking. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.
Response	If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). If experiencing respiratory symptoms: Call a poison center/doctor. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

Supplemental information

33.5% of the mixture consists of component(s) of unknown acute oral toxicity. 41.5% of the mixture consists of component(s) of unknown acute dermal toxicity. 34% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 34% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients**Mixtures**

Chemical name	Common name and synonyms	CAS number	%
CALCIUM CARBONATE	LIMESTONE	1317-65-3	15 - < 40
Clarified oils, petroleum, catalytic cracked		64741-62-4	15 - < 40
CALCIUM OXIDE (LIME)		1305-78-8	3 - < 7
STODDARD SOLVENT		8052-41-3	3 - < 7
CARBON BLACK		1333-86-4	1 - < 5
Hydrotreated heavy naphthenic distillate		64742-52-5	0.5 - < 1.5
1,2,4-Trimethylbenzene		95-63-6	< 1
Benzenesulfonyl isocyanate, 4-methyl-		4083-64-1	< 1
DIBUTYL TIN DILAURATE		77-58-7	< 1
Trimethylbenzenes, All Isomers		25551-13-7	< 1
Other components below reportable levels			20 - < 30

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures**Inhalation**

Remove to fresh air. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the affected person is not breathing, apply artificial respiration. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or doctor/physician.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops or persists. Get medical attention if irritation develops and persists.

Eye contact

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

Ingestion

Call a physician or Poison Control Center immediately. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation. Coughing. Difficulty in breathing.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures**Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Not a fire hazard. Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Use clean non-sparking tools to collect absorbed material.

Large Spills: Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Do not flush into surface water or sanitary sewer system.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use this product with adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Use spark-proof tools and explosion-proof equipment. Do not get this material in contact with skin or eyes. Do not breathe gas/fumes/vapor/spray. Wash hands after handling and before eating.

Avoid breathing mist/vapors. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep in a dry, cool and well-ventilated place. Keep away from heat, sparks, and flame. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep this material away from food, drink and animal feed. Keep out of the reach of children. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

Components	Type	Value	Form
TRADE SECRET (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
TRADE SECRET (CAS 1305-78-8)	PEL	5 mg/m3	
TRADE SECRET (CAS 1333-86-4)	PEL	3.5 mg/m3	
TRADE SECRET (CAS 8052-41-3)	PEL	2900 mg/m3	
		500 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
TRADE SECRET (CAS 1305-78-8)	TWA	2 mg/m3	
TRADE SECRET (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
TRADE SECRET (CAS 8052-41-3)	TWA	100 ppm	
Trimethylbenzenes, All Isomers (CAS 25551-13-7)	TWA	25 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	125 mg/m3	
		25 ppm	
TRADE SECRET (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
TRADE SECRET (CAS 1305-78-8)	TWA	2 mg/m3	
TRADE SECRET (CAS 1333-86-4)	TWA	0.1 mg/m3	
TRADE SECRET (CAS 8052-41-3)	Ceiling	1800 mg/m3	
	TWA	350 mg/m3	
Trimethylbenzenes, All Isomers (CAS 25551-13-7)	TWA	125 mg/m3	
		25 ppm	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Applicable for industrial settings only. Chemical respirator with organic vapor cartridge and full facepiece. Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain is recommended.

Skin protection**Hand protection**

Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

Other

Applicable for industrial settings only. Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Use of an impervious apron is recommended. Use of protective coveralls and long sleeves is recommended.

Respiratory protection

Applicable for industrial settings only. 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. Chemical respirator with organic vapor cartridge and full facepiece. 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.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. Use good industrial hygiene practices in handling this material.

9. Physical and chemical properties

Appearance	Liquid.
Physical state	Liquid.
Form	Liquid. liquid
Color	dark brown
Odor	Petroleum Solvent.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	2283.8 °F (1251 °C) estimated
Initial boiling point and boiling range	2732 °F (1500 °C) estimated
Flash point	180.0 °F (82.2 °C) Setaf flash
Evaporation rate	Slower than Ether
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	0.9 % estimated
Flammability limit - upper (%)	6 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	1 hPa estimated
Vapor density	Vapors are heavier than air and may travel along the floor and in the bottom of containers
Relative density	1.2 g/cm ³
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	450 °F (232.22 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.11 g/cm ³ estimated
Explosive properties	Not explosive.
Flammability class	Combustible IIIA estimated
Flash point class	Combustible IIIA
Oxidizing properties	Not oxidizing.
Percent volatile	7 %
Specific gravity	1.2
VOC	7.28 % VOC Method 310 87 g/l Regulatory VOC (less water and exempt solvent)

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Water. Acids. Strong oxidizing agents. Alcohols. Amines. Fluorine. Incompatible with strong acids and bases.

Hazardous decomposition products

At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

11. Toxicological information**Information on likely routes of exposure**

Inhalation	Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Coughing. Difficulty in breathing.

Information on toxicological effects

Acute toxicity Harmful if inhaled.

Product	Species	Test Results
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LDC 60H

Acute**Inhalation**

LC50	Rat	926 mg/l/4h
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Components	Species	Test Results
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1,2,4-Trimethylbenzene (CAS 95-63-6)

Acute**Dermal**

LD50	Rabbit	> 3160 mg/kg
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Oral

LD50	Rat	6 g/kg
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Benzenesulfonyl isocyanate, 4-methyl- (CAS 4083-64-1)

Acute**Inhalation**

LC50	Rat	640 mg/l/4h
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CALCIUM OXIDE (LIME) (CAS 1305-78-8)

Acute**Oral**

LD50	Rat	500 mg/kg
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CARBON BLACK (CAS 1333-86-4)

Acute**Oral**

LD50	Rat	> 8000 mg/kg
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Clarified oils, petroleum, catalytic cracked (CAS 64741-62-4)

Acute**Dermal**

LD50	Rabbit	2000 mg/kg
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	Rat	2000 mg/kg
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Oral

LD50	Rat	4300 mg/kg
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Trimethylbenzenes, All Isomers (CAS 25551-13-7)

Acute**Oral**

LD50	Rat	8970 mg/kg
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Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

CARBON BLACK (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

STODDARD SOLVENT (CAS 8052-41-3)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity No data available for this product.

Components	Species	Test Results
1,2,4-Trimethylbenzene (CAS 95-63-6)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 7.19 - 8.28 mg/l, 96 hours
CALCIUM OXIDE (LIME) (CAS 1305-78-8)		
Aquatic		
Fish	LC50	Fish 1070 mg/L, 96 Hours
Clarified oils, petroleum, catalytic cracked (CAS 64741-62-4)		
Aquatic		
Fish	LC50	Fish 48 mg/L, 96 Hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

DIBUTYL TIN DILAURATE

3.12

STODDARD SOLVENT

3.16 - 7.15

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No (Exempt)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1,2,4-Trimethylbenzene	95-63-6	< 1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

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

California Proposition 65



WARNING: This product can expose you to CARBON BLACK, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

CARBON BLACK (CAS 1333-86-4)

Listed: February 21, 2003

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

1,2,4-Trimethylbenzene (CAS 95-63-6)

Benzenesulfonyl isocyanate, 4-methyl- (CAS 4083-64-1)

CARBON BLACK (CAS 1333-86-4)

Clarified oils, petroleum, catalytic cracked (CAS 64741-62-4)

Hydrotreated heavy naphthenic distillate (CAS 64742-52-5)

STODDARD SOLVENT (CAS 8052-41-3)

Trimethylbenzenes, All Isomers (CAS 25551-13-7)

International Inventories

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 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)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	10-November-2016
Revision date	14-February-2019
Version #	11
Further information	This safety datasheet only contains information relating to safety and does not replace any product information or product specification.
HMIS® ratings	Health: 3* Flammability: 2 Physical hazard: 0
NFPA ratings	Health: 3 Flammability: 2 Instability: 0
Disclaimer	<p>CETCO, an MTI Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. 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.</p> <p>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.</p>
Revision information	This document has undergone significant changes and should be reviewed in its entirety.