

# SAFETY DATA SHEET



## 1. Identification

<b>Product identifier</b>	<b>Equine Infectious Anemia (EIA) Antibody Test Kit</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	ViraCHEK® * ViraCHEK®/EIA * LAB-EZ/EIA * Equine Infectious Anaemia Antibody Test Kit
<b>Recommended use</b>	Veterinary product used as diagnostic aid
<b>Recommended restrictions</b>	Not for human use
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Company Name (US)</b>	Zoetis Inc. 10 Sylvan Way Parsippany, New Jersey 07054 (USA)
<b>Rocky Mountain Poison and Drug Center</b>	1-866-531-8896
<b>Product Support/Technical Services</b>	1-800-366-5288
<b>Emergency telephone numbers</b>	CHEMTREC (24 hours): 1-800-424-9300  International CHEMTREC (24 hours): +1-703-527-3887
<b>Company Name (EU)</b>	Zoetis Belgium S.A. Mercuriusstraat 20 1930 Zaventem Belgium
<b>Emergency telephone number</b>	International CHEMTREC (24 hours): +1-703-527-3887
<b>Contact E-Mail</b>	VMIPSrecords@zoetis.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 1B
	Reproductive toxicity (the unborn child)	Category 1B
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Causes serious eye irritation. Harmful if inhaled. May cause cancer. May damage the unborn child. Harmful to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

<b>Response</b>	If exposed or concerned: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	Handle as potentially infectious.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Dimethylformamide		68-12-2	25
Gentamicin sulfate		1405-41-0	<1
Phenol		108-95-2	<1
Sodium benzoate		532-32-1	<0.3

**Composition comments** In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.
<b>Skin contact</b>	Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
<b>Most important symptoms/effects, acute and delayed</b>	Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. Handle as potentially infectious. For personal protection, see section 8 of the SDS. 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

<b>Suitable extinguishing media</b>	Alcohol resistant foam. Powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Handle as potentially infectious. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.
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**Methods and materials for containment and cleaning up**

Ensure adequate ventilation. Remove sources of ignition. Handle as potentially infectious. The standard biosafety practices for handling infectious materials should be followed. Avoid inhalation of vapors or mists. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean surface thoroughly to remove residual contamination.

Small Spills: 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. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling**

Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Keep away from heat and sources of ignition. Handle as potentially infectious. The standard biosafety practices for handling infectious materials should be followed. Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Avoid release to the environment. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Keep away from heat and sources of ignition. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Store away from direct sunlight.; 2 - 7°C (36 - 45°F). Do not freeze.

**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
Dimethylformamide (CAS 68-12-2)	PEL	30 mg/m3
		10 ppm
Phenol (CAS 108-95-2)	PEL	19 mg/m3
		5 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Dimethylformamide (CAS 68-12-2)	TWA	5 ppm
Phenol (CAS 108-95-2)	TWA	5 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Dimethylformamide (CAS 68-12-2)	TWA	30 mg/m3
		10 ppm
Phenol (CAS 108-95-2)	Ceiling	60 mg/m3
		15.6 ppm
		19 mg/m3
	TWA	5 ppm

## Biological limit values

### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Dimethylformamide (CAS 68-12-2)	40 mg/l	N-Acetyl-S-(N-methylcarbonyl) cysteine	Urine	*
	30 mg/l	Sum of N-Methylformamide and N-(Hydroxymethyl)-N-Methylformamide	Urine	*
Phenol (CAS 108-95-2)	250 mg/g	Phenol with hydrolysis	Creatinine in urine	*

\* - For sampling details, please see the source document.

## Exposure guidelines

### US - California OELs: Skin designation

Dimethylformamide (CAS 68-12-2) Can be absorbed through the skin.  
Phenol (CAS 108-95-2) Can be absorbed through the skin.

### US - Minnesota Haz Subs: Skin designation applies

Phenol (CAS 108-95-2) Skin designation applies.

### US - Tennessee OELs: Skin designation

Dimethylformamide (CAS 68-12-2) Can be absorbed through the skin.  
Phenol (CAS 108-95-2) Can be absorbed through the skin.

### US ACGIH Threshold Limit Values: Skin designation

Dimethylformamide (CAS 68-12-2) Can be absorbed through the skin.  
Phenol (CAS 108-95-2) Can be absorbed through the skin.

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Dimethylformamide (CAS 68-12-2) Can be absorbed through the skin.  
Phenol (CAS 108-95-2) Can be absorbed through the skin.

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

Dimethylformamide (CAS 68-12-2) Can be absorbed through the skin.  
Phenol (CAS 108-95-2) Can be absorbed through the skin.

<b>Control banding approach</b>	Not available.
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas. General ventilation normally adequate. Provide eyewash station.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	Observe any medical surveillance requirements. 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.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	White.
<b>Odor</b>	Mild. Ammoniacal.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.

<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	> 199.4 °F (> 93.0 °C) estimated
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials. Keep away from heat, spark, open flames and other sources of ignition. Protect from sunlight.
<b>Incompatible materials</b>	Strong oxidizing agents. Halogens. Nitrates.
<b>Hazardous decomposition products</b>	Amines. Nitrogen compounds. Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Harmful if inhaled.
<b>Skin contact</b>	Prolonged skin contact may cause temporary irritation.
Phenol	Species: Rabbit Severity: Severe
<b>Eye contact</b>	Causes serious eye irritation.
Dimethylformamide	Severity: Irritant
Phenol	Species: Rabbit Severity: Severe
<b>Ingestion</b>	May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms related to the physical, chemical and toxicological characteristics**

Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects**

**Acute toxicity** Harmful if inhaled.

Product	Species	Test Results
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Equine Infectious Anemia (EIA) Antibody Test Kit		
<b>Acute</b>		
<b>Dermal</b>		
LD50		> 10000 mg/kg (Calculated ATE)
<b>Oral</b>		
LD50		> 5000 mg/kg (Calculated ATE)

Components	Species	Test Results
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Dimethylformamide (CAS 68-12-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	4720 mg/kg
<b>Inhalation</b>		
LC50	Mouse	9.4 mg/l, 2 Hours
<b>Oral</b>		
LD50	Rat	2800 mg/kg

Gentamicin sulfate (CAS 1405-41-0)		
<b>Acute</b>		
<b>Intramuscular</b>		
LD50	Rat	384 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg

Phenol (CAS 108-95-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	669 mg/kg
<b>Inhalation</b>		
LC50	Rat	316 mg/m3
<b>Oral</b>		
LD50	Rat	317 mg/kg

Sodium benzoate (CAS 532-32-1)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Mouse	1600 mg/kg
	Rat	4070 mg/kg
<b>Chronic</b>		
<b>Oral</b>		
LOAEL	Mouse	45 g/kg, 10 days Liver Kidney Blood Ureter Bladder
	Rat	27370 mg/kg, 10 days Liver Blood

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Eye Contact**  
Dimethylformamide Severity: Irritant

**Eye Contact**

Phenol

Species: Rabbit

Severity: Severe

**Respiratory or skin sensitization****Respiratory sensitization** Not a respiratory sensitizer.**Skin sensitization** Due to partial or complete lack of data the classification is not possible.**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.**Mutagenicity**

Gentamicin sulfate

DNA Binding Assay

Result: Negative

Species: E. coli

**Carcinogenicity** May cause cancer.**IARC Monographs. Overall Evaluation of Carcinogenicity**

Dimethylformamide (CAS 68-12-2)

2A Probably carcinogenic to humans.

Phenol (CAS 108-95-2)

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** May damage the unborn child.**Developmental effects**

Gentamicin sulfate

375 mg/kg/day Embryo / Fetal Development, Developmental toxicity

Result: LOAEL

Species: Rat

Organ: Intraperitoneal

Sodium benzoate

44 g/kg Embryo / Fetal Development, Developmental toxicity

Result: LOEL

Species: Rat

Organ: Oral

Gentamicin sulfate

660 mg/kg/day Prenatal &amp; Postnatal Development, Developmental toxicity

Result: LOAEL

Species: Rat

Organ: Subcutaneous

660 mg/kg/day Prenatal &amp; Postnatal Development, Neonatal toxicity

Result: LOAEL

Species: Rat

Organ: Subcutaneous

**Specific target organ toxicity - single exposure** Not classified.**Specific target organ toxicity - repeated exposure** Not classified.**Aspiration hazard** Not an aspiration hazard.**12. Ecological information****Ecotoxicity** Harmful to aquatic life with long lasting effects. Avoid release to the environment.**Components****Species****Test Results**

Dimethylformamide (CAS 68-12-2)

**Aquatic**

Crustacea

EC50

Water flea (Daphnia magna)

12.5 - 14.4 mg/l, 48 hours

Fish

LC50

Fathead minnow (Pimephales promelas)

5714 - 18967 mg/l, 96 hours

Components	Species	Test Results
Phenol (CAS 108-95-2)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia obtusa) 4.7 - 6.4 mg/l, 48 hours
Fish	LC50	Asiatic knifefish (Notopterus notopterus) 8 - 8.25 mg/l, 96 hours
Sodium benzoate (CAS 532-32-1)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Bioaccumulative potential</b>	No data available for this product.	
<b>Mobility in soil</b>	No data available for this product.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

### 13. Disposal considerations

<b>Disposal instructions</b>	Avoid release to the environment. Handle as potentially infectious. Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

### 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

### 15. Regulatory information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.	
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Dimethylformamide (CAS 68-12-2)	Listed.
	Phenol (CAS 108-95-2)	Listed.
<b>SARA 304 Emergency release notification</b>	Phenol (CAS 108-95-2)	1000 LBS
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>	Not regulated.	



## Superfund Amendments and Reauthorization Act of 1986 (SARA)

### SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
Phenol	108-95-2	1000		500	10000

### SARA 311/312 Hazardous chemical

Yes

#### Classified hazard categories

Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation  
Carcinogenicity  
Reproductive toxicity

### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Dimethylformamide	68-12-2	25

## Other federal regulations

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

Dimethylformamide (CAS 68-12-2)

Phenol (CAS 108-95-2)

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

Not regulated.

### Safe Drinking Water Act (SDWA)

Not regulated.

### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Phenol (CAS 108-95-2)

Low priority

## US state regulations

### California Proposition 65



**WARNING:** This product can expose you to Dimethylformamide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

Dimethylformamide (CAS 68-12-2)

Listed: October 27, 2017

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

Dimethylformamide (CAS 68-12-2)

Phenol (CAS 108-95-2)

## 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)	No
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	No

\*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

<b>Issue date</b>	05-20-2015
<b>Revision date</b>	06-03-2019
<b>Version #</b>	03
<b>List of abbreviations</b>	ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
<b>Disclaimer</b>	Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time. The information in the sheet was written based on the best knowledge and experience currently available.
<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.