# SAFETY DATA SHEET



# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation

Vanguard R/Versiguard Rabies

of the mixture

Registration number

Synonyms VANGUARD R \* Versiguard Rabies \* Inactivated Rabies Vaccine

**Issue date** 06-September-2016

Version number 0

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Veterinary vaccine

Uses advised against ENRESOU006 - Not for human use

1.3. Details of the supplier of the safety data sheet

Company Name (US) Zoetis Inc.

100 Campus Drive, P.O. Box 651 Florham Park, New Jersey 07932 (USA)

Rocky Mountain Poison 1-866-531-8896

and Drug Center

Product Support/Technical 1-800-366-5288

**Services** 

**Emergency telephone** 

numbers

CHEMTREC (24 hours): 1-800-424-9300

International CHEMTREC (24 hours): +1-703-527-3887

Contact E-Mail VMIPSrecords@zoetis.com

Company Name (EU) Zoetis Belgium S.A.

Mercuriusstraat 20 1930 Zaventem

Belaium

**Emergency telephone** 

number

International CHEMTREC (24 hours): +1-703-527-3887

Contact E-Mail VMIPSrecords@zoetis.com

### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary

Not classified for health hazards. However, occupational exposure to the mixture or substance(s)

may cause adverse health effects.

#### 2.2. Label elements

# Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Aluminium hydroxide, Inactivated Rabies Virus, strain SAD VNUKOVO-32, Thimerosal

Hazard pictograms None.
Signal word None.

**Hazard statements** The mixture does not meet the criteria for classification.

**Precautionary statements** 

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information None.

Direct contact with eyes may cause temporary irritation. Allergic reactions are possible. If an allergic reaction occurs, the worker should be removed to the nearest emergency room and the appropriate therapy instituted.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

**General information** 

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Thimerosal		0,01	54-64-8 200-210-4	-	080-004-00-7	
Classification:			ute Tox. 1;H310, Ac Chronic 1;H410	ute Tox. 2;H330, STOT RE 2;F	l373, Aquatic	1,A
Aluminium hydroxide		*	21645-51-2 244-492-7	-	-	
Classification:	-					
Inactivated Rabies Virus, VNUKOVO-32	strain SAD	*	Not assigned	-	-	
Classification:	-					

## List of abbreviations and symbols that may be used above

The full text for all H-statements is displayed in section 16.

**Composition comments** 

\*Designates that a specific chemical identity and/or percentage of composition has been withheld

as a trade secret.

#### **SECTION 4: First aid measures**

**General information** 

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, trained personnel should give oxygen. If

symptoms persist, get medical attention.

Skin contact

Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash

before reuse. Get medical attention if irritation develops and persists.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately.

Ingestion

Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Allergic reactions are possible. Signs and symptoms might include skin rash, itching, redness or swelling. Respiratory reactions may be characterized by rhinitis, sneezing, scratchy throat, oral mucosal edema, laryngeal mucosal edema, coughing, shortness of breath, wheezing, and chest pain. Asthma like reactions occur with acute exposures in sensitized patients. If an allergic reaction occurs, the worker should be removed to the nearest emergency room and the appropriate therapy instituted.

None known.

4.3. Indication of any immediate medical attention and special treatment needed

# **SECTION 5: Firefighting measures**

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

procedures

Special protective

Firefighters should wear full protective clothing including self contained breathing apparatus.

equipment for firefighters Special fire fighting

During all fire fighting activities, wear appropriate protective equipment, including self-contained

breathing apparatus.

Do not use water jet.

Material name: Vanguard R/Versiguard Rabies

SDS EU

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

Keep unnecessary personnel away. For personal protection, see section 8.

personnel

Personnel must wear appropriate protective equipment (see Section 8). For emergency responders

6.2. Environmental precautions

Use appropriate containment to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up Clean up in accordance with all applicable regulations. Ensure adequate ventilation. Remove sources of ignition. Contain the source of spill if it is safe to do so. Collect spill with absorbent

material. Clean spill area thoroughly. Prevent release to the environment.

Never return spills to original containers for re-use. Should not be released into the environment.

For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

6.4. Reference to other

sections

# **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

When handling, use appropriate personal protective equipment (see Section 8). Avoid accidental injection. Avoid contact with eyes. Avoid contact with skin. Avoid breathing mist or vapour. Observe good industrial hygiene practices. Wash thoroughly after handling. Handle and open

container with care. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place out of direct sunlight. Store at 2-8°C. Prolonged exposure to higher temperatures may adversely affect potency. Do not freeze. Store away from incompatible

materials (see Section 10 of the SDS).

7.3. Specific end use(s) Not available.

# SECTION 8: Exposure controls/personal protection

Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

#### 8.1. Control parameters

Occupational exposure limits

Components	Туре	Value	Form
Aluminium hydroxide (CAS 21645-51-2)	MAK	5 mg/m3	Respirable fraction.
·		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fraction.
Thimerosal (CAS 54-64-8)	MAK	0,01 mg/m3	Inhalable fraction.
	STEL	0,1 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	STEL	0,03 mg/m3	
,	TWA	0,01 mg/m3	
Croatia. Dangerous Substance Ex	cposure Limit Values in the Wo	orkplace (ELVs), Annexes 1 a	nd 2, Narodne Novine, 13/09
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	MAC	0,01 mg/m3	
Cyprus. OELs. Control of factory	atmosphere and dangerous su	ıbstances in factories regulat	ion, PI 311/73, as amended.
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	TWA	0,01 mg/m3	
		0,001 ppm	
Czech Republic. OELs. Governme	ent Decree 361		
•	ent Decree 361 Type	Value	
Components		<b>Value</b> 0,03 mg/m3	
Components	Туре		
Components Thimerosal (CAS 54-64-8) Finland. Workplace Exposure Lim	<b>Type</b> Ceiling TWA	0,03 mg/m3	
Czech Republic. OELs. Governme Components  Thimerosal (CAS 54-64-8)  Finland. Workplace Exposure Lim Components	<b>Type</b> Ceiling TWA	0,03 mg/m3	
Components Thimerosal (CAS 54-64-8) Finland. Workplace Exposure Lim Components	Type  Ceiling TWA	0,03 mg/m3 0,01 mg/m3	
Components Thimerosal (CAS 54-64-8) Finland. Workplace Exposure Lim	Type  Ceiling TWA  nits Type  TWA	0,03 mg/m3 0,01 mg/m3 <b>Value</b> 0,01 mg/m3	NRS ED 984

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compound
in the Work Area (DFG)

in the Work Area (DFG) Components	Туре	Value	Form
Aluminium hydroxide (CAS 21645-51-2)	TWA	4 mg/m3	Inhalable fraction.
,		1,5 mg/m3	Respirable fraction.
Germany. TRGS 900, Limit Values		-	Form
Components	Туре	Value	FOIIII
Aluminium hydroxide (CAS 21645-51-2)	AGW	10 mg/m3	Inhalable fraction.
•		1,25 mg/m3	Respirable fraction.
Greece. OELs (Decree No. 90/1999	), as amended)		
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	STEL	0,03 mg/m3	
	TWA	0,01 mg/m3	
Hungary. OELs. Joint Decree on C			
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	STEL	0,04 mg/m3	
	TWA	0,01 mg/m3	
Ireland. Occupational Exposure Li		Value	
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	STEL	0,03 mg/m3	
	TWA	0,01 mg/m3	
Italy. Occupational Exposure Limi Components	ts Type	Value	Form
<u> </u>			
Aluminium hydroxide (CAS 21645-51-2)	TWA	1 mg/m3	Respirable fraction.
Thimerosal (CAS 54-64-8)	STEL	0,03 mg/m3	
	TWA	0,01 mg/m3	
Latvia. OELs. Occupational expos Components	ure limit values of chemical s Type	substances in work environme Value	ent
Aluminium hydroxide (CAS 21645-51-2)	TWA	6 mg/m3	
Lithuania. OELs. Limit Values for	Chemical Substances, General	ral Requirements	
Components	Туре	Value	
Aluminium hydroxide (CAS	TWA	6 mg/m3	
21645-51-2) Thimerosal (CAS 54-64-8)	TWA	0,01 mg/m3	
Norway. Administrative Norms for Components	Contaminants in the Workpla Type	ace Value	
Thimerosal (CAS 54-64-8)	TLV	0,01 mg/m3	
Poland. MACs. Regulation regardi			f harmful factors in the wo
environment, Annex 1			indicatoro in the Wo
Components	Туре	Value	Form
Aluminium hydroxide (CAS 21645-51-2)	TWA	2,5 mg/m3	Inhalable fraction.
۱۱۳۵-۵۱-۲ <i>)</i>		1,2 mg/m3	Respirable fraction.
Portugal. VLEs. Norm on occupati	onal exposure to chemical ad	_	
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	STEL	0,03 mg/m3	
		· •	

Components

Thimerosal (CAS 54-64-8)

Туре

STEL

Value

0,01 mg/m3

Slovakia. OELs. Regulation No. 30 Components	Туре	Value	Form
Aluminium hydroxide (CAS 21645-51-2)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction
Thimerosal (CAS 54-64-8)	TWA	0,01 mg/m3	
Spain. Occupational Exposure Lir	nits		
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	STEL	0,03 mg/m3	
	TWA	0,01 mg/m3	
Sweden. Occupational Exposure	Limit Values		
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	TWA	0,01 mg/m3	
Switzerland. SUVA Grenzwerte an	n Arbeitsplatz		
Components	Туре	Value	Form
Aluminium hydroxide (CAS 21645-51-2)	TWA	3 mg/m3	Respirable dust.
Thimerosal (CAS 54-64-8)	TWA	0,01 mg/m3	Inhalable dust.

# **Biological limit values**

Czech Republic. Limit Values for Indictators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling time
Thimerosal (CAS 54-64-8)	0,056 µmol/mmol	Mercury	Creatinine in urine	*
	0,1 mg/g	Mercury	Creatinine in urine	*

<sup>\* -</sup> For sampling details, please see the source document.

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling time
Thimerosal (CAS 54-64-8)	0,05 mg/g	Mercury	Creatinine in urine	*
	0,028 µmol/mmol	Mercury	Creatinine in urine	*

<sup>\* -</sup> For sampling details, please see the source document.

UK. EH40 Biological Monitoring Guidance Values (BMGVs)					
Components	Value	Determinant	Specimen	Sampling time	
Thimerosal (CAS 54-64-8)	20 umol/mol	Mercury	Creatinine in urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

**Recommended monitoring** 

Follow standard monitoring procedures.

procedures

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) 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

**General information** Personal protection equipment should be chosen according to the CEN standards and in

discussion with the supplier of the personal protective equipment.

Eye/face protection

Skin protection

Wear safety glasses or goggles if eye contact is possible.

- Hand protection Wear impervious gloves if skin contact is possible.

- Other Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and

laboratory areas.

No personal respiratory protective equipment normally required. In case of insufficient ventilation, Respiratory protection

wear suitable respiratory equipment. If engineering controls do not maintain airborne

concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be

worn.

Thermal hazards not applicable.

Hygiene measures 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.

**Environmental exposure** 

controls

Environmental manager must be informed of all major releases.

# **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Liquid. **Appearance** Liquid. Physical state

**Form** Not available. Colour Not available. Odour Not available. **Odour threshold** Not available. pН Not available. Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

Flash point Not available. Not available. **Evaporation rate** Not available. Flammability (solid, gas) Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available. Vapour pressure Not available. Vapour density Not available. Relative density

Solubility(ies)

Not available. Solubility (water) Solubility (other) Not available. Not available. **Partition coefficient** 

(n-octanol/water)

Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** Not available. Viscosity **Explosive properties** Not available. Not available. Oxidising properties

9.2. Other information No relevant additional information available.

Not available.

# **SECTION 10: Stability and reactivity**

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Direct sources of heat. Contact with incompatible materials. Protect from freezing. Avoid exposure

to light, sunlight and elevated temperatures.

10.5. Incompatible materials As a precautionary measure, keep away from strong oxidizers.

10.6. Hazardous

decomposition products

10.4. Conditions to avoid

No hazardous decomposition products are known.

Material name: Vanguard R/Versiguard Rabies 567 Version #: 01 Issue date: 06-September-2016

# **SECTION 11: Toxicological information**

Not classified in accordance with international standards for workplace safety. |par **General information** 

Information on likely routes of exposure

Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact Prolonged skin contact may cause temporary irritation. Eve contact Direct contact with eyes may cause temporary irritation.

Thimerosal Species: Rabbit Severity: Mild

Ingestion Expected to be a low ingestion hazard.

Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, **Symptoms** 

redness, or discomfort. Allergic reactions are possible. Signs and symptoms might include skin rash, itching, redness or swelling. Respiratory reactions may be characterized by rhinitis, sneezing, scratchy throat, oral mucosal edema, laryngeal mucosal edema, coughing, shortness of breath, wheezing, and chest pain. Asthma like reactions occur with acute exposures in sensitized

98 mg/kg

Rat

#### 11.1. Information on toxicological effects

Components	Species	Test results	
Aluminium hydroxide (CA	S 21645-51-2)		
<u>Acute</u>			
Oral			
LD50	Rat	> 5000 mg/kg	
Thimerosal (CAS 54-64-8	3)		
<u>Acute</u>			
Oral			
LD50	Mouse	91 mg/kg	
	Rat	75 mg/kg	
Subcutaneous			

Skin corrosion/irritation

LD50

Serious eye damage/eye irritation

Due to partial or complete lack of data the classification is not possible. Due to partial or complete lack of data the classification is not possible.

Eye contact Thimerosal

Species: Rabbit Severity: Mild

Due to partial or complete lack of data the classification is not possible. Respiratory sensitisation Skin sensitisation Due to partial or complete lack of data the classification is not possible. Due to partial or complete lack of data the classification is not possible. Germ cell mutagenicity Carcinogenicity Due to partial or complete lack of data the classification is not possible. Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity single exposure

Specific target organ toxicity -

Due to partial or complete lack of data the classification is not possible.

repeated exposure

Due to partial or complete lack of data the classification is not possible.

Mixture versus substance

information

**Aspiration hazard** 

No information available

Other information The antigens included in this product are non-infectious. All have been prepared from attenuated

preparations of microorganisms.

# **SECTION 12: Ecological information**

The product is not classified as environmentally hazardous. However, this does not exclude the 12.1. Toxicity

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Releases to the environment should be avoided.

12.2. Persistence and degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative potential no data available.

Material name: Vanguard R/Versiguard Rabies

Partition coefficient

n-octanol/water (log Kow)

Not available.

Bioconcentration factor (BCF) 12.4. Mobility in soil

Not available. no data available.

12.5. Results of PBT

Not available.

and vPvB assessment

12.6. Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Residual waste 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

**EU waste code**The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Avoid release to the environment. Collect and reclaim or dispose in sealed containers at licensed

waste disposal site.

**Special precautions**Dispose in accordance with all applicable regulations.

# **SECTION 14: Transport information**

#### ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

**ADN** 

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

**14.7. Transport in bulk** Not established.

according to Annex II of MARPOL 73/78 and the IBC

Code

#### **SECTION 15: Regulatory information**

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **EU** regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Thimerosal (CAS 54-64-8)

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Thimerosal (CAS 54-64-8)

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

## Authorisations

SDS EU

## Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

#### Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Thimerosal (CAS 54-64-8)

#### Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances

Thimerosal (CAS 54-64-8)

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Thimerosal (CAS 54-64-8)

Directive 94/33/EC on the protection of young people at work, as amended

Thimerosal (CAS 54-64-8)

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws.

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as

amended.

**National regulations** Follow national regulation for work with chemical agents.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

#### **SECTION 16: Other information**

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

Full text of any H-statements not written out in full under

Sections 2 to 15

**Revision information** 

H300 Fatal if swallowed.

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. Product and Company Identification: Synonyms

Composition / Information on Ingredients: Ingredients

**Training information** Follow training instructions when handling this material.

Disclaimer ENDISCL004 - 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.