# SAFETY DATA SHEET



1. Identification

**Product identifier** Pneumabort-K®+1b

Other means of identification

**Synonyms** Pneumabort K+1b \* Equine Rhinopneumonitis Vaccine, Killed Virus

Recommended use Veterinary vaccine **Recommended restrictions** Not for human use Manufacturer/Importer/Supplier/Distributor information

**Company Name (US)** Zoetis Inc.

10 Sylvan Way

Parsippany, New Jersey 07054 (USA)

**Rocky Mountain Poison &** 

**Drug Safety** 

1-866-531-8896

**Product Support/Technical** 

**Services** 

1-888-963-8471

**Emergency telephone** 

numbers

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

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

Zoetis Belgium S.A. Company Name (EU)

> Rue Laid Burniat 1 1348 Louvain-la-Neuve

Belgium

**Telephone** +32 10 808080

**Emergency telephone** 

number

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

**Contact E-Mail** VMIPSrecords@zoetis.com

2. Hazard(s) identification

Physical hazards Not classified. **Health hazards** Not classified. **Environmental hazards** Not classified. Not classified. **OSHA** defined hazards

Label elements

**Hazard symbol** None. Signal word None.

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

**Precautionary statement** 

Observe good industrial hygiene practices. Prevention

Response Wash hands after handling.

Store away from incompatible materials. Storage

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

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information Direct contact with eyes may cause temporary irritation. In the event of accidental injection, an

allergic reaction may occur.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Mineral oil, white		8042-47-5	0.9999000099

Material name: Pneumabort-K®+1b Version #: 02 Revision date: 08-07-2024 Issue date: 06-06-2017

Chemical name	Common name and synonyms	CAS number	%
Amphotericin B		1397-89-3	<0.1
Formaldehyde		50-00-0	<0.1
Neomycin Free Base		1404-04-2	<0.1
Polymyxin B		1404-26-8	<0.1
Thimerosal		54-64-8	<0.1
Equine Herpesvirus type 1b		Not Assigned	*
Inactivated Equine Herpes virus type 1		Not Assigned	*

**Composition comments** 

\* Non-hazardous Ingredients

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

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately. Wash contaminated clothing before

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove

contact lenses, if present and easy to do.

Ingestion

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.

Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. In the event of accidental injection, an allergic reaction may occur. 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.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

**General information** 

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

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

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

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Move containers from fire area if you can do so without risk.

Fire fighting

equipment/instructions

Specific methods

**General fire hazards**No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid breathing mist/vapors. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. 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 discharge into drains, water courses or onto the ground.

# 7. Handling and storage

**Precautions for safe handling** Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. When using, do not eat,

drink or smoke. Wear personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Avoid accidental injection.

Wear appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities

Store at 2-7°C. Prolonged exposure to higher temperatures may adversely affect potency. Do not freeze. Store out of direct sunlight in dark, dry conditions. Store away from incompatible materials (see Section 10 of the SDS). Keep away from heat, sparks and open flame.

# 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.

Zoetis Components	Туре	Value	
Neomycin Free Base (CAS 1404-04-2)	TWA	100 μg/m3	
OSHA Specifically Regulated Subs	stances (29 CFR 1910.1001-10	053)	
Components	Туре	Value	
Formaldehyde (CAS 50-00-0)	STEL	2 ppm	
	TWA	0.75 ppm	
US. OSHA Table Z-1 Permissible E Components	exposure Limits (PEL) for Air Type	Contaminants (29 CFR 1910.10 Value	000) Form
Mineral oil, white (CAS 8042-47-5)	PEL	5 mg/m3	Mist.
US. OSHA Table Z-2 Permissible E	xposure Limits (PEL) (29 CF	R 1910.1000)	
Components	Туре	Value	
Thimerosal (CAS 54-64-8)	Ceiling	0.04 mg/m3	
	TWA	0.01 mg/m3	
US. ACGIH Threshold Limit Values	s (TLV)		
Components	Туре	Value	Form
Formaldehyde (CAS 50-00-0)	STEL	0.3 ppm	
,	TWA	0.1 ppm	
Mineral oil, white (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.
Thimerosal (CAS 54-64-8)	STEL	0.03 mg/m3	
NIOSH. Immediately Dangerous to	Life or Health (IDLH) Values,	, as amended	
Components	Туре	Value	
Formaldehyde (CAS 50-00-0)	IDLH	7 %	
		20 ppm	
Mineral oil, white (CAS 8042-47-5)	IDLH	2500 mg/m3	
Thimerosal (CAS 54-64-8)	IDLH	2 mg/m3	
US. NIOSH: Pocket Guide to Chem Components	nical Hazards Recommended Type	Exposure Limits (REL) Value	Form
Formaldehyde (CAS 50-00-0)	Ceiling	0.1 ppm	
•	TWA	0.016 ppm	
Mineral oil, white (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
,	TWA	5 mg/m3	Mist.
Thimerosal (CAS 54-64-8)	STEL	0.03 mg/m3	

Material name: Pneumabort-K®+1b

US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

TWA

**Form** Value Components Type

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** 

**US - Tennessee OELs: Skin designation** 

Thimerosal (CAS 54-64-8) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Thimerosal (CAS 54-64-8) Can be absorbed through the skin.

Polymyxin B: Zoetis OEB 2 - Sensitizer (control exposure to the range of 100ug/m3 to < Control banding approach

1000ug/m3, provide additional precautions to protect from skin contact)

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.

0.01 mg/m3

General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection If contact is likely, safety glasses with side shields are recommended.

Skin protection

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

Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable Other

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 the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to

below the OEL.

Thermal hazards Not applicable.

General hygiene Always observe good personal hygiene measures, such as washing after handling the material considerations

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

# 9. Physical and chemical properties

Suspension. **Appearance** Physical state Liquid.

**Form** Liquid.

Color White - Light pink. Odor Not available. Odor threshold Not available. Not available. Not available. Melting point/freezing point Initial boiling point and boiling Not available.

range

Flash point Non-flammable Not available. **Evaporation rate** Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available. Not available. Vapor pressure Not available. Vapor density Relative density Not available.

Solubility(ies)

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

(n-octanol/water)

Not available. **Auto-ignition temperature Decomposition temperature** Not available. Not available. **Viscosity** 

Other information

Not explosive. **Explosive properties** Oxidizing properties Not oxidizing.

# 10. Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Contact with incompatible materials. Sunlight. Store at 2-7°C. Prolonged exposure to higher Conditions to avoid

temperatures may adversely affect potency. Do not freeze.

Incompatible materials This material can be denatured or inactivated by a variety of organic solvents, salts or heavy

metals. As a precautionary measure, keep away from strong oxidizers

Hazardous decomposition

products

No hazardous decomposition products are known.

# 11. Toxicological information

## Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Prolonged skin contact may cause temporary irritation.

Formaldehyde Species: Rabbit

Severity: Moderate to Severe

Species: Rabbit Mineral oil, white

Severity: Slight

Eve contact Direct contact with eyes may cause temporary irritation.

Thimerosal Species: Rabbit

Severity: Mild

Formaldehyde Species: Rabbit

Severity: Severe

Mineral oil, white Species: Rabbit

Severity: Slight

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary

route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. In the event of accidental injection, an allergic reaction may occur. 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.

# Information on toxicological effects

Acute toxicity Expected to be a low hazard for usual industrial or commercial handling by trained

personnel.

**Test Results** Components **Species** 

Amphotericin B (CAS 1397-89-3)

Acute

Intraperitoneal

LD50 Mouse 27.7 mg/kg Rat > 5000 mg/kg

Intravenous

LD50 Mouse 1.2 mg/kg

Material name: Pneumabort-K®+1b

Components	Species	Test Results
Oral	D 4	. 5000
LD50	Rat	> 5000 mg/kg
<u>Subacute</u>		
Intravenous	5	07 // 00 / //(/ )
LOAEL	Dog	37 mg/kg/day, 30 days (Kidney)
		16.5 mg/kg/day, 2 months (Kidney)
<u>Subchronic</u>		
Oral		
NOAEL	Dog	<ol> <li>1.6 mg/kg/day, 13 weeks (Male reproductive system, Female reproductive system)</li> </ol>
	Rat	2 mg/kg/day, 13 weeks (Male reproductive system, Female reproductive system)
Formaldehyde (CAS 50-00-0)		
<u>Acute</u>		
 Dermal		
LD50	Rabbit	270 mg/kg
Inhalation		
LC50	Mouse	0.414 mg/L, 4 hours
	Rat	0.48 mg/L, 4 hours
Oral		5.16 mg/=, 1.165.15
LD50	Rat	100 mg/kg
	Nat	100 mg/kg
<u>Chronic</u> Inhalation		
LOAEL	Mouse	15 ppm, 2 years Tumors
LOAEL		
	Rat	15 ppm, 90 days Respiratory system
		6 ppm, 2 years Tumors
Mineral oil, white (CAS 8042-4	7-5)	
<u>Acute</u>		
Oral		
LD50	Rat	> 5000 mg/kg
Neomycin Free Base (CAS 140	04-04-2)	
<u>Acute</u>		
Oral		
LD50	Rat	2750 mg/kg
Polymyxin B (CAS 1404-26-8)		
<u>Acute</u>		
Oral		
LD50	Mouse	790 mg/kg
Other		
LD50	Mouse	3980 ug/kg
Subcutaneous		
LD50	Rat	50 mg/kg
Thimerosal (CAS 54-64-8)		
<u>Acute</u>		
Oral		
LD50	Mouse	91 mg/kg
	Rat	75 mg/kg
Subcutaneous		• •
LD50	Rat	98 mg/kg
		~~ '''g''\g

Corrosivity

Mineral oil, white Species: Rabbit

Severity: Slight

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

**Eye Contact** 

Thimerosal Species: Rabbit

Severity: Mild

Formaldehyde Species: Rabbit

Severity: Severe

Species: Rabbit Mineral oil, white

Severity: Slight

Respiratory or skin sensitization

**ACGIH** sensitization

Formaldehyde (CAS 50-00-0) Dermal sensitization

Respiratory sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization. This product contains formaldehyde and

merthiolate which are considered to be skin sensitizers.

Skin sensitization

Formaldehyde Species: Guinea Pig

Severity: Positive

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

Mutagenicity

Amphotericin B Bacterial Mutagenicity (Ames)

Result: Negative

Species: Salmonella, E. coli

Formaldehyde In Vitro Bacterial Mutagenicity (Ames)

> Result: Positive Species: Bacteria

Amphotericin B In Vitro Chromosome Aberration

Result: Negative

Species: Chinese Hamster Ovary (CHO) cells

Formaldehyde In Vitro Chromosome Aberration

> Result: Positive Species: Rodent

In Vitro Sister Chromatid Exchange

Result: Positive Species: Rodent

Polymyxin B In Vitro

Result: Negative

In Vivo Chromosome Aberration Formaldehyde

Result: Positive Species: Not specified

Amphotericin B In Vivo Micronucleus

Result: Negative Species: Mouse

Polymyxin B In Vivo

Result: Negative

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. No

known carcinogens are present at greater than 0.1%.

Material name: Pneumabort-K®+1b

IARC Monographs. Overall Evaluation of Carcinogenicity

Formaldehyde (CAS 50-00-0) 1 Carcinogenic to humans.

Mineral oil, white (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Formaldehyde (CAS 50-00-0)

US. National Toxicology Program (NTP) Report on Carcinogens

Formaldehyde (CAS 50-00-0) Known To Be Human Carcinogen.

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

**Developmental effects** 

Amphotericin B 10 mg/kg/day Embryo / Fetal Development, Not Teratogenic

> Fetotoxicity Result: NOAEL Species: Rabbit Organ: Oral

Formaldehyde 185 mg/kg/day Embryo / Fetal Development, Not teratogenic

> Maternal toxicity Species: Mouse Organ: Oral

40 ppm Embryo / Fetal Development, Not Teratogenic

Maternal Toxicity Species: Rat Organ: Inhalation

Amphotericin B 7.5 mg/kg/day Embryo / Fetal Development, Not teratogenic

> Fetotoxicity Result: NOAEL Species: Rat Organ: Oral

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** Not an aspiration hazard.

Prolonged inhalation may be harmful. **Chronic effects** 

**Further information** Allergic reactions are possible. The antigens included in this product are non-infectious.

All have been prepared from killed or inactivated preparations of microorganisms.

#### 12. Ecological information

Avoid release to the environment. The product is not classified as environmentally hazardous. **Ecotoxicity** 

However, this does not exclude the possibility that large or frequent spills can have a harmful or

damaging effect on the environment.

Components **Species Test Results** 

Formaldehyde (CAS 50-00-0)

**Aquatic** 

Crustacea Daphnia magna (Water Flea) EC50 42 mg/L, 24 Hours Fish LC50 Oncorhynchus mykiss (Rainbow Trout) 118 ppm, 96 Hours

Acute

Crustacea EC50 Water flea (Daphnia pulex) 4.3 - 7.8 mg/l, 48 hours LC50 Fish Bluegill (Lepomis macrochirus) 8.7 mg/l, 96 hours

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

No data available. Mobility in soil

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.

Version #: 02 Revision date: 08-07-2024 Issue date: 06-06-2017

## 13. Disposal considerations

**Disposal instructions**Avoid release to the environment. Do not discharge into drains, water courses or onto the ground.

Dispose of contents/container in accordance with local/regional/national/international regulations. 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. This product contains trace quantities of mercury and may qualify as a RCRA Hazardous Waste. Status

should be confirmed using the EPA Toxicity Characteristic Leaching Procedure (TCLP).

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company. This product contains trace quantities of mercury, releases to the environment

should be avoided.

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.

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

## 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

Not established.

the IBC Code

# 15. Regulatory information

**US federal regulations** 

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)** 

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

9 / 10

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

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Formaldehyde (CAS 50-00-0) Listed.

SARA 304 Emergency release notification

Formaldehyde (CAS 50-00-0) 100 LBS OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Formaldehyde (CAS 50-00-0) Cancer

Skin sensitization Respiratory sensitization

Eye irritation Skin irritation

respiratory tract irritation

Acute toxicity Flammability

#### 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)
--------------------------	------------------------------------	--	--	--

500

Formaldehyde 50-00-0 100

SARA 311/312 Hazardous

chemical

Material name: Pneumabort-K®+1b sps us

Version #: 02 Revision date: 08-07-2024 Issue date: 06-06-2017

Nο

# SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

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

Formaldehyde (CAS 50-00-0) Thimerosal (CAS 54-64-8)

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

Formaldehyde (CAS 50-00-0)

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

# **US** state regulations

### California Proposition 65



WARNING: This product can expose you to Formaldehyde, which is known to the State of California to cause cancer, and Thimerosal, which is known to the State of California to cause birth defects or other

reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

Formaldehyde (CAS 50-00-0) Listed: January 1, 1988

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

Inventory name

Thimerosal (CAS 54-64-8) Listed: July 1, 1990

#### International Inventories

Country(s) or region

<b>3</b>	•	<b>,</b>
Australia	Australian Inventory of Industrial Chemicals (AICIS)	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

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

Issue date 06-06-2017 08-07-2024 **Revision date** 

Version # 02

Disclaimer 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.

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.

Material name: Pneumabort-K®+1b SDS US

On inventory (yes/no)\*

<sup>\*</sup>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).