

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Propentofylline Formulation  
Other means of identification : Vivitonin (A005114)  
VIVITONIN 50 TABLETS FOR AGED DOGS (51394)  
VIVITONIN 100 TABLETS FOR AGED DOGS (49892)

#### Manufacturer or supplier's details

Company : MSD  
Address : No. 485 Jing Tai Road  
Pu Tuo District - Shanghai - China 200331  
Telephone : +1-908-740-4000  
Emergency telephone number : 86-571-87268110  
E-mail address : EHSDATASTEWARD@msd.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Veterinary product  
Restrictions on use : Not applicable

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance : tablet, powder  
Colour : No data available  
Odour : No data available

Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure.

#### GHS Classification

Acute toxicity (Oral) : Category 4  
Specific target organ toxicity - repeated exposure : Category 2

#### GHS label elements

Hazard pictograms :    
Signal word : Warning

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

Hazard statements	:	H302 Harmful if swallowed. H373 May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	:	<p><b>Prevention:</b> P260 Do not breathe dust. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.</p> <p><b>Response:</b> P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth. P319 Get medical help if you feel unwell.</p> <p><b>Disposal:</b> P501 Dispose of contents/ container to an approved waste disposal plant.</p>

### Physical and chemical hazards

Not classified based on available information.

### Health hazards

Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure.

### Environmental hazards

Not classified based on available information.

### Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 50 %

### Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation.

Contact with dust can cause mechanical irritation or drying of the skin.

May form combustible dust concentrations in air during processing, handling or other means.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Propentofylline	55242-55-2	>= 50 -< 70
Starch	9005-25-8	>= 10 -< 20
Talc	14807-96-6	>= 1 -< 10

## 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical ad-

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

---

	vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	: Wash with water and soap. Get medical attention if symptoms occur.
In case of eye contact	: If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	: If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	: Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure.
Protection of first-aiders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	: Treat symptomatically and supportively.

## 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	: None known.
Specific hazards during fire-fighting	: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion products	: Carbon oxides Nitrogen oxides (NO <sub>x</sub> )
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

---

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

---

## 7. HANDLING AND STORAGE

### Handling

Technical measures : Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Do not breathe dust. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

Take care to prevent spills, waste and minimize release to the environment.	
Avoidance of contact	: Oxidizing agents
<b>Storage</b>	
Conditions for safe storage	: Keep in properly labelled containers. Store in accordance with the particular national regulations.
Materials to avoid	: Do not store with the following product types: Strong oxidizing agents
Packaging material	: Unsuitable material: None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Propentofylline	55242-55-2	TWA	1000 µg/m3 (OEB 1)	Internal
Starch	9005-25-8	TWA	10 mg/m3	ACGIH
Talc	14807-96-6	PC-TWA (Total dust)	3 mg/m3	CN OEL
		PC-TWA (Respirable dust)	1 mg/m3	CN OEL
		TWA (Res- pirable par- ticulate mat- ter)	2 mg/m3	ACGIH

Engineering measures	: Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.
----------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### Personal protective equipment

Respiratory protection	: If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type	: Particulates type
Eye/face protection	: Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection	: Work uniform or laboratory coat.
Hand protection	

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

Material	: Chemical-resistant gloves
Hygiene measures	: If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: tablet, powder
Colour	: No data available
Odour	: No data available
Odour Threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: May form combustible dust concentrations in air during processing, handling or other means.
Flammability (liquids)	: Not applicable
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: No data available
Density	: No data available

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

---

### Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water

: Not applicable

Auto-ignition temperature

: No data available

Decomposition temperature

: No data available

### Viscosity

Viscosity, kinematic : Not applicable

Explosive properties

: Not explosive

Oxidizing properties

: The substance or mixture is not classified as oxidizing.

Molecular weight

: Not applicable

Particle characteristics

Particle size : No data available

---

## 10. STABILITY AND REACTIVITY

Reactivity

: Not classified as a reactivity hazard.

Chemical stability

: Stable under normal conditions.

Possibility of hazardous reactions

: May form combustible dust concentrations in air during processing, handling or other means.  
Can react with strong oxidizing agents.

Conditions to avoid

: Heat, flames and sparks.  
Avoid dust formation.

Incompatible materials

: Oxidizing agents

Hazardous decomposition products

: No hazardous decomposition products are known.

---

## 11. TOXICOLOGICAL INFORMATION

Exposure routes

: Inhalation  
Skin contact  
Ingestion  
Eye contact

### Acute toxicity

Harmful if swallowed.

**Product:**

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

Acute oral toxicity : Acute toxicity estimate: 1,880 mg/kg  
Method: Calculation method

### Components:

#### **Propentofylline:**

Acute oral toxicity : LD50 (Rat): 940 mg/kg  
Symptoms: Breathing difficulties, Convulsions, Lachrymation  
LD50 (Mouse): 780 mg/kg  
LD50 (Rabbit): 405 mg/kg

#### **Starch:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

#### **Talc:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: Based on data from similar materials

### **Skin corrosion/irritation**

Not classified based on available information.

### Components:

#### **Talc:**

Species : Rabbit  
Result : No skin irritation

### **Serious eye damage/eye irritation**

Not classified based on available information.

### Components:

#### **Starch:**

Species : Rabbit  
Result : No eye irritation

#### **Talc:**

Species : Rabbit  
Result : No eye irritation

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### Starch:

Test Type	:	Maximisation Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Result	:	negative

##### Talc:

Exposure routes	:	Skin contact
Species	:	Humans
Result	:	negative

### Germ cell mutagenicity

Not classified based on available information.

#### Components:

##### Starch:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES)
		Result: negative

##### Talc:

Genotoxicity in vitro	:	Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)
		Result: negative
Genotoxicity in vivo	:	Test Type: Chromosome aberration test in vitro
		Species: Rat
		Application Route: Ingestion
		Result: negative

### Carcinogenicity

Not classified based on available information.

#### Components:

##### Talc:

Species	:	Mouse
Application Route	:	inhalation (dust/mist/fume)
Exposure time	:	2 Years
Result	:	negative

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### Propentofylline:

Effects on foetal development	:	Test Type: Development Species: Mouse Application Route: Ingestion Developmental Toxicity: NOAEL: 500 mg/kg body weight Result: No adverse effects
		Test Type: Development Species: Rabbit Application Route: Ingestion Developmental Toxicity: NOAEL: 150 mg/kg body weight Result: No teratogenic effects

##### Talc:

Effects on foetal development	:	Test Type: Embryo-foetal development Species: Rat Application Route: Ingestion Result: negative
-------------------------------	---	----------------------------------------------------------------------------------------------------------

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### Components:

##### Propentofylline:

Exposure routes	:	Oral
Assessment	:	May cause damage to organs through prolonged or repeated exposure.
Remarks	:	Based on human experience.

### Repeated dose toxicity

#### Components:

##### Starch:

Species	:	Rat
NOAEL	:	>= 2,000 mg/kg
Application Route	:	Skin contact
Exposure time	:	28 Days
Method	:	OECD Test Guideline 410

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

---

### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

#### Components:

##### Propentofylline:

Ingestion	:	Target Organs: Blood Target Organs: Lungs Target Organs: Cardiovascular Target Organs: Gastro-intestinal system Symptoms: Gastrointestinal discomfort, Nausea Target Organs: Nervous system Symptoms: Dizziness, Headache
-----------	---	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### Propentofylline:

#### Ecotoxicology Assessment

Acute aquatic toxicity	:	Toxic effects cannot be excluded
------------------------	---	----------------------------------

Chronic aquatic toxicity	:	Toxic effects cannot be excluded
--------------------------	---	----------------------------------

#### Talc:

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 100,000 mg/l Exposure time: 24 h
------------------	---	-----------------------------------------------------------------------------

### Persistence and degradability

No data available

### Bioaccumulative potential

#### Components:

##### Propentofylline:

Partition coefficient: n-octanol/water	:	log Pow: 1.540
----------------------------------------	---	----------------

### Mobility in soil

No data available

### Other adverse effects

No data available

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

---

### 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

---

### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

##### IATA-DGR

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

##### IMDG-Code

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : no

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### GB 6944/12268

UN number : Not applicable  
Proper shipping name : Not applicable

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version 5.0      Revision Date: 2025/04/14      SDS Number: 2929973-00019      Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

---

Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Marine pollutant : no

### Special precautions for user

Not applicable

---

## 15. REGULATORY INFORMATION

### National regulatory information

#### Law on the Prevention and Control of Occupational Diseases

#### Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : This product is not listed in the catalogue of hazardous chemicals, but it meets the definition of hazardous chemicals and its principles of determination.

Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218) : Not listed

Hazardous Chemicals for Priority Management under SAWS : Not listed

Catalogue of Specially Controlled Hazardous Chemicals : Not listed

List of Explosive Precursors : Not listed

#### Regulations on Labour Protection in Workplaces where Toxic Substances are Used

Catalogue of Highly Toxic Chemicals : Not listed

#### Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

China Severely Restricted Toxic Chemicals for Import and Export : Not listed

#### Regulation on the Administration of Precursor Chemicals

Catalogue and Classification of Precursor Chemicals : Not listed

#### Yangtze River Protection Law

This product does not contain any dangerous chemicals prohibited for inland river transport.

#### Regulations of Ozone Depleting Substances Management

List of Controlled Ozone Depleting Substances Import : Not listed

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version 5.0 Revision Date: 2025/04/14 SDS Number: 2929973-00019 Date of last issue: 2024/09/28 Date of first issue: 2018/06/25

---

and Export  
List of Controlled Ozone Depleting Substances : Not listed

### Environmental Protection Law

List of Priority Controlled Chemicals : Not listed  
List of Key Controlled New Pollutants : Not listed

### The components of this product are reported in the following inventories:

DSL : not determined  
AICS : not determined  
IECSC : not determined

---

## 16. OTHER INFORMATION

Revision Date : 2025/04/14

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : yyyy/mm/dd

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
CN OEL : Occupational exposure limits for hazardous agents in the workplace - Chemical hazardous agents.  
ACGIH / TWA : 8-hour, time-weighted average  
CN OEL / PC-TWA : Permissible concentration - time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



## Propentofylline Formulation

Version  
5.0

Revision Date:  
2025/04/14

SDS Number:  
2929973-00019

Date of last issue: 2024/09/28  
Date of first issue: 2018/06/25

---

Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

CN / EN