according to the OSHA Hazard Communication Standard



### Lamb Vaccine Selenised Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/06/2024
2.1	09/28/2024	11234644-00006	Date of first issue: 06/14/2023

#### **SECTION 1. IDENTIFICATION**

Product name	:	Lamb Vaccine Selenised Formulation
Other means of identification	:	Lamb Vaccine Selenised (A001011)

#### Manufacturer or supplier's details

Company name of supplier	:	Merck & Co., Inc
Address	:	126 E. Lincoln Avenue
		Rahway, New Jersey U.S.A. 07065
Telephone	:	908-740-4000
Emergency telephone	:	1-908-423-6000
E-mail address	:	EHSDATASTEWARD@merck.com
	-	

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

Recommended use	:	Veterinary product
Restrictions on use	:	Not applicable

#### **SECTION 2. HAZARDS IDENTIFICATION**

# GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

#### **GHS** label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### Other hazards

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Antigen	Not Assigned	4.037
Aluminium potassium sulfate dodec- ahydrate	7784-24-9	2.569
Sodium selenate	13410-01-0	0.24

#### **SECTION 4. FIRST AID MEASURES**

General advice	:	In the case of accident or if you feel unwell, seek medical advice 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 as a precaution. Get medical attention if symptoms occur.

according to the OSHA Hazard Communication Standard



# Lamb Vaccine Selenised Formulation

Version 2.1	Revision Date: 09/28/2024	SDS Number: 11234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023				
In case of eye contact			: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.				
If swallowed		Get medical att	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.				
Most important symptoms and effects, both acute and delayed		: None known.					
Protection of first-aiders		and use the red	nders should pay attention to self-protection, commended personal protective equipment itial for exposure exists (see section 8).				
Not	es to physician	: Treat symptom	atically and supportively.				

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Metal oxides Sulfur oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances 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 fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency 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. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

according to the OSHA Hazard Communication Standard



# Lamb Vaccine Selenised Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/06/2024
2.1	09/28/2024	11234644-00006	Date of first issue: 06/14/2023
	nods and materials for ainment and cleaning up	For large spills, p containment to k can be pumped, container. Clean up remain absorbent. Local or national disposal of this n employed in the determine which Sections 13 and	rt absorbent material. provide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and naterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding ational requirements.

### SECTION 7. HANDLING AND STORAGE

er EXPOSURE ECTION section.
on.
ntact with skin.
industrial hygiene and safety
the workplace exposure
e and minimize release to the
ers.
ticular national regulations.
roduct types:

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Sodium selenate	13410-01-0	TWA	20 µg/m3 (OEB 3)	Internal
		Wipe limit	200 µg/100 cm <sup>2</sup>	Internal
		TWA	0.2 mg/m <sup>3</sup>	OSHA Z-1
			(selenium)	
		TWA	0.2 mg/m <sup>3</sup>	ACGIH
			(selenium)	
		TWA	0.2 mg/m <sup>3</sup>	NIOSH REL
			(selenium)	

according to the OSHA Hazard Communication Standard



# Lamb Vaccine Selenised Formulation

Version 2.1	Revision Date: 09/28/2024	SDS Number: 11234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023
Engineering measures		technologies to less quick con All engineering design and op protect produc Containment to are required to the compound containment do Minimize open	controls should be implemented by facility erated in accordance with GMP principles to ts, workers, and the environment. echnologies suitable for controlling compounds control at source and to prevent migration of to uncontrolled areas (e.g., open-face evices).
Pers	sonal protective equipr		
Res	piratory protection	maintain vapor concentrations unknown, appr Follow OSHA use NIOSH/MS by air purifying hazardous che supplied respir release, expos	cal exhaust ventilation is recommended to rexposures below recommended limits. Where are above recommended limits or are ropriate respiratory protection should be worn. respirator regulations (29 CFR 1910.134) and SHA approved respirators. Protection provided respirators against exposure to any mical is limited. Use a positive pressure air ator if there is any potential for uncontrolled ure levels are unknown, or any other where air purifying respirators may not provide ection.
Han	d protection		
N	laterial	: Chemical-resis	tant gloves
	Remarks protection	If the work env mists or aeros Wear a facesh potential for di	le gloving. asses with side shields or goggles. ironment or activity involves dusty conditions, ols, wear the appropriate goggles. ield or other full face protection if there is a rect contact to the face with dusts, mists, or
Skin	and body protection	Additional bod task being per disposable sui	or laboratory coat. y garments should be used based upon the formed (e.g., sleevelets, apron, gauntlets, ts) to avoid exposed skin surfaces. te degowning techniques to remove potentially clothing.
Hygi	iene measures	: If exposure to eye flushing sy working place. When using do Wash contami The effective of engineering co appropriate de industrial hygie	chemical is likely during typical use, provide restems and safety showers close to the o not eat, drink or smoke. nated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ene monitoring, medical surveillance and the trative controls.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

according to the OSHA Hazard Communication Standard



# Lamb Vaccine Selenised Formulation

Vers 2.1	sion	Revision Date: 09/28/2024		5 Number: 34644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023
	Appearance		:	Aqueous solution	
	Color		:	No data available	
	Odor		:	No data available	
	Odor Th	nreshold	:	No data available	
	рН		:	6.0 - 7.0	
	Melting	point/freezing point	:	No data available	
	Initial bo range	piling point and boiling	:	No data available	
	Flash p	oint	:	No data available	
	Evapora	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	oressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Relative	e density	:	1.02	
	Density		:	No data available	
	Solubilit Wate	ty(ies) er solubility	:	No data available	
	Partitior octanol	n coefficient: n-	:	Not applicable	
		ition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosit Visc	y osity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance or	mixture is not classified as oxidizing.

according to the OSHA Hazard Communication Standard



### Lamb Vaccine Selenised Formulation

Version 2.1	Revision Date: 09/28/2024	SDS Number: 11234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023
Molecular weight		: No data available	
Particle characteristics Particle size		: Not applicable	

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
		Can react with strong oxidizing agents.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	:	Acute toxicity estimate: 2,084 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: 20.88 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

### Components:

Aluminium potassium sulfate dodecahydrate:   Acute oral toxicity : LD50 (Mouse): > 5,000 mg/kg   Remarks: Based on data from similar materials					
Sodium selenate: Acute oral toxicity	:	LD50 (Rat): > 5 - 50 mg/kg Remarks: Based on data from similar materials			
Acute inhalation toxicity	:	LC50 (Rat): > 0.052 - 0.51 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403			

according to the OSHA Hazard Communication Standard



### Lamb Vaccine Selenised Formulation

Version 2.1	Revision Date: 09/28/2024	SDS Number: 11234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023		
Skin	corrosion/irritation				
Not c	lassified based on av	ailable information.			
Com	ponents:				
Alum	ninium potassium su	Ilfate dodecahydrate	9:		
Spec	ies	: Mouse			
Resu	llt	: No skin irritation			
Rema	arks	: Based on dat	ta from similar materials		
Sodi	um selenate:				
Spec	ies	: reconstructed	d human epidermis (RhE)		
Meth		: OECD Test 0			
Spec		: reconstructed human epidermis (RhE)			
N / - +  -	I				

: OECD Test Guideline 439

Result	:	Skin irritation

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

Method

#### Aluminium potassium sulfate dodecahydrate:

Species	:	Rabbit
		No eye irritation
Remarks	:	Based on data from similar materials

#### Sodium selenate:

Species Method		Bovine cornea OECD Test Guideline 437
Result	:	No eye irritation

#### Respiratory or skin sensitization

### Skin sensitization

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

### **Components:**

#### Aluminium potassium sulfate dodecahydrate:

:	Draize Test
:	Skin contact
:	Rabbit
:	negative
:	Based on data from similar materials
	:

according to the OSHA Hazard Communication Standard



# Lamb Vaccine Selenised Formulation

Version 2.1	Revisio 09/28/2	on Date: 2024		9S Number: 234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023	
	rm cell muta t classified ba	<b>agenicity</b> ased on availa	ble	information.		
<u>Co</u>	mponents:					
Alı	uminium pot	tassium sulfa	te d	odecahydrate:		
Ge	notoxicity in	vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)	
So	dium selena	ate:				
Ge	notoxicity in v	vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Remarks: Based on data from similar materials		
Ca	rcinogenicit	ÿ				
No IAF			of t	his product present	at levels greater than or equal to 0.1% is onfirmed human carcinogen by IARC.	
os	<b>AHA</b>			this product preser regulated carcinog	nt at levels greater than or equal to 0.1% is ens.	
NT	P				at levels greater than or equal to 0.1% is carcinogen by NTP.	
	<b>productive t</b> t classified ba	t <b>oxicity</b> ased on availa	ble	information.		
Co	mponents:					
Alı	uminium pot	tassium sulfa	te d	odecahvdrate:		
	Aluminium potassium sulfate Effects on fertility		:	Test Type: Two-g Species: Rat Application Route Method: OECD Te Result: negative	eneration reproduction toxicity study : Ingestion est Guideline 416 on data from similar materials	
Eff	Effects on fetal development :		:	Species: Rat Application Route Method: OPPTS & Result: negative		
So	dium selena	ate:				
	Effects on fertility		:	Test Type: Two-g Species: Rat Application Route	eneration reproduction toxicity study : Ingestion	

according to the OSHA Hazard Communication Standard



### Lamb Vaccine Selenised Formulation

.1	Revision Date: 09/28/2024	-	DS Number: 234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023	
			Result: negative Remarks: Based	on data from similar materials	
Effect	Effects on fetal development		Test Type: Embryo-fetal development Species: Mouse Application Route: Ingestion Result: negative Remarks: Based on data from similar materials		
	-single exposure lassified based on availa	able	information.		
STO	-repeated exposure				
Not c	assified based on availa	able	information.		
Com	oonents:				
Sodiu	um selenate:				
	es of exposure ssment	:		e significant health effects in animals at con- mg/kg bw or less.	
	ated dose toxicity				
Com	oonents:				
	inium potassium sulfa	te d	-		
Speci	es	÷	Mouse 15,000 mg/kg		
	=1				
NOA! Applie	EL cation Route	÷	Ingestion		
Applie	cation Route sure time	:	Ingestion 5 Weeks	EEC, Annex V, B.33.	
Applio Expos Metho	cation Route sure time od	•	Ingestion 5 Weeks	EEC, Annex V, B.33.	
Applio Expos Metho	cation Route sure time od <b>um selenate:</b>	•	Ingestion 5 Weeks	EEC, Annex V, B.33.	
Applia Expos Metho <b>Sodiu</b> Speci NOAI	cation Route sure time od <b>um selenate:</b> es EL	· · ·	Ingestion 5 Weeks Directive 67/548/ Rat 0.4 mg/kg	EEC, Annex V, B.33.	
Applia Expos Metho Speci NOAE Applia	cation Route sure time od u <b>m selenate:</b> es		Ingestion 5 Weeks Directive 67/548/ Rat	EEC, Annex V, B.33.	
Applia Expos Metho Speci NOAE Applia Expos	cation Route sure time od <b>um selenate:</b> es EL cation Route	:	Ingestion 5 Weeks Directive 67/548/ Rat 0.4 mg/kg Ingestion 13 Weeks	EEC, Annex V, B.33.	
Applia Expose Metho Speci NOAE Applia Expose Aspir Not c	cation Route sure time od <b>um selenate:</b> es EL cation Route sure time ration toxicity lassified based on availa	: able	Ingestion 5 Weeks Directive 67/548/ Rat 0.4 mg/kg Ingestion 13 Weeks information.	EEC, Annex V, B.33.	
Applia Expose Metho Speci NOAE Applia Expose Aspir Not c	cation Route sure time od um selenate: es EL cation Route sure time	: able	Ingestion 5 Weeks Directive 67/548/ Rat 0.4 mg/kg Ingestion 13 Weeks information.	EEC, Annex V, B.33.	

#### **Components:**

#### Aluminium potassium sulfate dodecahydrate:

Toxicity to fish

: LC50 (Pimephales promelas (fathead minnow)): > 1,000 - < 10,000 mg/l

Exposure time: 96 h

according to the OSHA Hazard Communication Standard



# Lamb Vaccine Selenised Formulation

ersion 1	Revision Date: 09/28/2024		0S Number: 234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023	
			Remarks: Based	l on data from similar materials	
	<b>exicology Assessment</b>	:	No toxicity at the	limit of solubility.	
Sodiu	ım selenate:				
Toxicity to fish		:	LC50 (Pimephales promelas (fathead minnow)): > 1 - 10 mg Exposure time: 96 h Remarks: Based on data from similar materials		
	ty to daphnia and other ic invertebrates	:	Exposure time: 4	magna (Water flea)): > 1 - 10 mg/l l8 h l on data from similar materials	
Toxici plants	ty to algae/aquatic	:	ErC50 (Chlamyd Exposure time: 9	lomonas reinhardtii (green algae)): 245 μg/l 96 h	
			NOEC (Chlamyc Exposure time: 9	lomonas reinhardtii (green algae)): 197 μg/l 96 h	
Toxici icity)	ty to fish (Chronic tox-	:	mg/l Exposure time: 2	macrochirus (Bluegill sunfish)): > 0.01 - 0.4 258 d I on data from similar materials	
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		:	NOEC: > 0.1 - 1 mg/l Exposure time: 28 d Remarks: Based on data from similar materials		
Toxici	ty to microorganisms	:	Exposure time: 3	sludge): 590 mg/l 3 h Test Guideline 209	
	stence and degradabili	ty			
	ta available				
	cumulative potential ta available				
	<b>ity in soil</b> ita available				
	adverse effects ata available				
ECTION	13. DISPOSAL CONSI	DER	ATIONS		
Dispo	osal methods				

Waste from residues	:	Dispose of in accordance with local regulations.
		Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

according to the OSHA Hazard Communication Standard



### Lamb Vaccine Selenised Formulation

Version Revision Date: 2.1 09/28/2024

SDS Number: 11234644-00006

Date of last issue: 04/06/2024 Date of first issue: 06/14/2023

If not otherwise specified: Dispose of as unused product.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

#### **Domestic regulation**

**49 CFR** Not regulated as a dangerous good

### Special precautions for user

Not applicable

#### **SECTION 15. REGULATORY INFORMATION**

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Sodium selenate	13410-01-0	100	41666

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	No SARA Hazar	ds	
SARA 313	:	The following components are subject to reporting levels established by SARA Title III, Section 313:		
		Thiomersal	54-64-8	0.015 %
US State Regulations				
Pennsylvania Right To Kno	w			
Water				7732-18-5
Antigen				Not Assigned
Aluminium potassi	um	sulfate dodecahyd	Irate	7784-24-9
Sodium selenate				13410-01-0
Thiomersal				54-64-8

according to the OSHA Hazard Communication Standard



### Lamb Vaccine Selenised Formulation

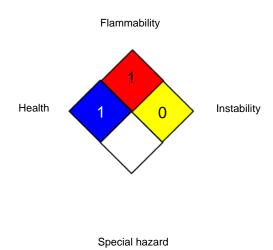
Version 2.1	Revision Date: 09/28/2024	SDS Number: 11234644-00006	Date of last issue: 04/06/2024 Date of first issue: 06/14/2023
2.1	09/28/2024	11234644-00006	Date of first issue: 06/14/2023
Califo	ornia Prop. 65		
WAR	NING: This product ca	an expose you to chemi	cals including Thiomersal, which is/are known
	e State of California to www.P65Warnings.ca		other reproductive harm. For more information

California List of Hazaro	lous Substances			
Aluminium potassium sulfate dodecahydrate 7784-24-5				
California Permissible I	Exposure Limits for Chemical Contami	nants		
Aluminium pota	assium sulfate dodecahydrate	7784-24-9		
The ingredients of this product are reported in the following inventories:				
AICS	: not determined			
DSL	: not determined			
IECSC	: not determined			

### **SECTION 16. OTHER INFORMATION**

#### **Further information**

NFPA 704:



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

#### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-
		its for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA Z-1 / TWA	:	8-hour time weighted average

according to the OSHA Hazard Communication Standard



### Lamb Vaccine Selenised Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/06/2024
2.1	09/28/2024	11234644-00006	Date of first issue: 06/14/2023

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

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

Revision Date

: 09/28/2024

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.

US / Z8