

Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1)

### **1** Identification

### 1.1 Product identifier

Trade name Product code(s) Stick Sponge/Sponge'n Bag Neutralizing Buffer

Revision: 2024-03-26

HSB100NB, HSB100NBG, HSB100NBP, HSB100NBPG, SS100NB, SS100NBG, SS100NBP, SS100NBPG

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

Relevant identified uses

Laboratory and analytical use

info@hygiena.com

### 1.3 Details of the supplier of the safety data sheet

Hygiena USA 941 Avenida Acaso Camarillo California 93012 United States

Telephone: +1 (805) 388-8007 Telefax: +1 (805) 388-5531 e-mail: info@hygiena.com

e-mail (competent person)

# 1.4 Emergency telephone number

Emergency information service

1-888-494-4362 This number is only available during the following office hours: Mon-Fri 08:00 AM - 05:00 PM

### 2 Hazard identification

# 2.1 Classification of the substance or mixture

Classification acc. to GHS

This mixture does not meet the criteria for classification.

## 2.2 Label elements

Labeling

not required

## 2.3 Other hazards

Results of PBT and vPvB assessment Does not contain a PBT-/vPvB-substance at a concentration of  $\geq$  0.1%.

## Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\ge 0.1\%$ .



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

### **3 Composition/ Information on ingredients**

### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

#### Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Potassium phosphate mono- basic	CAS No 7778-77-0	0.1 - < 1	Acute Tox. 3 / H331	

#### Remarks

For full text of abbreviations: see SECTION 16

### **4 First-aid measures**

#### 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

# 5 Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

### **6 Accidental release measures**

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

For non-emergency personnel Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1)

### 7 Handling and storage

#### Precautions for safe handling 7.1

#### Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

#### 7.2 Conditions for safe storage, including any incompatibilities

There is no additional information. Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials" (Section 10).

#### 7.3 Specific end use(s)

See section 16 for a general overview.

### 8 Exposure controls/ Personal protection

#### 8.1 **Control parameters**

Occup	Occupational exposure limit values (Workplace Exposure Limits)										
Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Nota- tion	Source
CA	cellulose	9004-34-6	OEL (AB)		10						OHS Code
CA	cellulose	9004-34-6	OEL (ON- MoL)		10						MoL
CA	cellulose	9004-34-6	OEL (BC)		10					dust	"BC Reg- ulation"
CA	cellulose	9004-34-6	OEL (BC)		3					r	"BC Reg- ulation"
CA	Cellulose (paper fibres)	9004-34-6	PEV/ VEA		10					dust, noAsb_l ess1Sil	Regula- tion OHS

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

dust as dust

noAsb\_less1S contains no asbestos and less than 1% free crystalline silica il

respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours timeweighted average (unless otherwise specified

Revision: 2024-03-26



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

Relevant DNELs of	fcomponent	S				
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Potassium phosphate monobasic	7778-77-0	DNEL	14.82 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic ef- fects

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

#### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

#### 9 Physical and chemical properties

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

Physical state	liquid
Color	not determined
Odor	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

Flash point	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
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Vapor pressure	not determined
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### Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics not relevant (liquid)	Particle characteristics	not relevant (liquid)
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## 9.2 Other information

Information with regard to physical hazard classes ha	azard classes acc. to GHS (physical hazards): not elevant
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# Other safety characteristics

Liquid content	90.52 %
Solid content	0.7 %



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

### **10 Stability and reactivity**

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidizers

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

### 11 Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### **Classification acc. to GHS**

This mixture does not meet the criteria for classification.

#### Acute toxicity

Shall not be classified as acutely toxic.

#### Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
Potassium phosphate monobasic	7778-77-0	inhalation: dust/mist	>0.83 <sup>mg</sup> /ı/4h

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

#### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

#### Carcinogenicity

Shall not be classified as carcinogenic.

#### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

#### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

#### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

#### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### **12 Ecological information**

#### 12.1 Toxicity

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq$  0.1%.

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\ge 0.1\%$ .

### 12.7 Other adverse effects

Data are not available.

#### **13 Disposal considerations**

#### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1)

14 Transport information

- 14.1 UN number
- 14.2 UN proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards

not subject to transport regulations

not relevant

none

not assigned

non-environmentally hazardous acc. to the dangerous goods regulations

Revision: 2024-03-26

14.6 Special precautions for user

There is no additional information.

### 14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

### Information for each of the UN Model Regulations

**Transport information - National regulations - Additional information (UN RTDG)** Not subject to transport regulations: UN RTDG

# International Maritime Dangerous Goods Code (IMDG) - Additional information Not subject to IMDG.

## International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information Not subject to ICAO-IATA.

## **15 Regulatory information**

# 15.1 Safety, health and environmental regulations specific for the product in question

### **National regulations (United States)**

# Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313) none of the ingredients are listed

# Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4) none of the ingredients are listed

# Clean Air Act

none of the ingredients are listed

# California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

### Industry or sector specific available guidance(s)

### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	0	no significant risk to health
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

### **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordin- ary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

# 16 Other information

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
1.1	Trade name: Stick Sponge w/10mL Neutralizing Buffer	Trade name: Stick Sponge/Sponge'n Bag Neutralizing Buffer	yes
1.1	Product code(s): SS100NB, SS100NBG, SS100NBP, SS100NBPG	Product code(s): HSB100NB, HSB100NBG, HSB100NBP, HSB100NBPG, SS100NB, SS100NBG, SS100NBP, SS100NBPG	yes
2.3	Other hazards: of no significance	Other hazards	yes
2.3		Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a con- centration of ≥ 0.1%.	yes



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

Section	Former entry (text/value)	Actual entry (text/value)	Safety-re evant
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16	yes
5.1	Suitable extinguishing media: Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)	Suitable extinguishing media: Water spray, BC-powder, Carbon dioxide (CO2)	yes
5.2		Hazardous combustion products: Carbon monoxide (CO), Carbon dioxide (CO2)	yes
6.4	Reference to other sections: Personal protective equipment: see section 8. In- compatible materials: see section 10. Disposal con- siderations: see section 13.	Reference to other sections: Hazardous combustion products: see section 5. Personal protective equipment: see section 8. In- compatible materials: see section 10. Disposal con- siderations: see section 13.	yes
7.2	Conditions for safe storage, including any incompatibilities	Conditions for safe storage, including any incom- patibilities: There is no additional information. Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials" (Section 10).	yes
7.2	- Packaging compatibilities: Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.		yes
8.1	Control parameters: This information is not available.	Control parameters	yes
8.1		Occupational exposure limit values (Workplace Ex- posure Limits): change in the listing (table)	yes
8.1		Relevant DNELs of components: change in the listing (table)	yes
9.1	Appearance		yes
9.1	Other safety parameters		yes
9.1	Flammability (solid, gas): not relevant, (fluid)	Flammability: this material is combustible, but will not ignite read- ily	yes
9.1		Lower and upper explosion limit: not determined	yes
9.1	Evaporation rate: Not determined		yes
9.1		Decomposition temperature: not relevant	yes
9.1		Kinematic viscosity: not determined	yes



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

Section	Former entry (text/value)	Actual entry (text/value)	Safety-re evant
9.1	Solubility(ies)	Solubility(ies): not determined	yes
9.1		Density and/or relative density	yes
9.1	Vapor density: this information is not available		yes
9.1	Water solubility: miscible in any proportion		yes
9.1	Viscosity: not determined		yes
9.1	Explosive properties: not explosive (GHS of the United Nations, annex 4)		yes
9.1	Oxidizing properties: none		yes
9.2		Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant	yes
9.2		Other safety characteristics	yes
10.5	Incompatible materials: There is no additional information.	Incompatible materials: Oxidizers	yes
11.1		Acute toxicity estimate (ATE) of components: change in the listing (table)	yes
12.1	Toxicity: No data available.	Toxicity	yes
12.1	Biodegradation: The relevant substances of the mixture are readily biodegradable.		yes
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: According to the results of its assessment, this sub- stance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\ge$ 0.1%.	yes
12.6	Endocrine disrupting properties: Information on this property is not available.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.	yes
13.1	Waste treatment of containers/packages: Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	Waste treatment of containers/packages: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	yes
14.1	UN number: not assigned	UN number: not subject to transport regulations	yes
14.2	UN proper shipping name: not assigned	UN proper shipping name: not relevant	yes
14.3	Transport hazard class(es): not assigned	Transport hazard class(es): none	yes



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel evant
14.7	Transport information - National regulations - Addi- tional information (UN RTDG): not assigned	Transport information - National regulations - Addi- tional information (UN RTDG): Not subject to transport regulations: UN RTDG	yes
14.7	International Maritime Dangerous Goods Code (IM- DG) - Additional information: not assigned	International Maritime Dangerous Goods Code (IM- DG) - Additional information: Not subject to IMDG.	yes
14.7	International Civil Aviation Organization (ICAO- IATA/DGR) - Additional information: not assigned	International Civil Aviation Organization (ICAO- IATA/DGR) - Additional information: Not subject to ICAO-IATA.	yes
15.1		National regulations (United States)	yes
15.1		Superfund Amendment and Reauthorization Act (SARA TITLE III )	yes
15.1		The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Sec- tion 302, 304): none of the ingredients are listed	yes
15.1		Specific Toxic Chemical Listings (EPCRA Section 313): none of the ingredients are listed	yes
15.1		Comprehensive Environmental Response, Com- pensation, and Liability Act (CERCLA)	yes
15.1		List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4): none of the ingredients are listed	yes
15.1		Clean Air Act: none of the ingredients are listed	yes
15.1		California Environmental Protection Agency (Cal/ EPA): Proposition 65 - Safe Drinking Water and Tox- ic Enforcement Act of 1987: none of the ingredients are listed	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: change in the listing (table)	yes

# Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
"BC Regulation"	OHS Regulation: Section 5.48 (British Columbia)
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)



Hazardous Products Regulations (HPR)

# Stick Sponge/Sponge'n Bag Neutralizing Buffer

Version number: 2.0 Replaces version of: 2022-08-30 (1) Revision: 2024-03-26

Abbr.	Descriptions of used abbreviations
DNEL	Derived No-Effect Level
ED	Endocrine disruptor
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
MoL	Ministry of Labor: Current Occupational Exposure Limits for Ontario Workplaces Required under Regulation 833
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OHS Code	Occupational Health and Safety Code: Occupational exposure limits for chemical substances (Alberta)
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
Regulation OHS	Regulation respecting occupational health and safety: Permissible exposure values for airborne contamin- ants (Quebec)
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
STEL	Short-term exposure limit
TWA	Time-weighted average
UN RTDG	UN Recommendations on the Transport of Dangerous Good
vPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

Hazardous Products Regulations (HPR) SOR/2022-272: Regulations Amending the Hazardous Products Regulations (GHS, Seventh Revised Edition)

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### **Classification procedure**

Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H331	Toxic if inhaled.

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.