

acc. to Hazardous Products Regulations (HPR)

# **POR-15 ENGINE ENAMEL HEMI ORANGE**

Versio	n number: GHS 1.0	Date of compilation: 2024-02-15							
1 Ide	entification								
1.1	Product identifier								
	Trade name	POR-15 ENGINE ENAMEL HEMI ORANGE							
	Product code(s)	42188							
1.2	Relevant identified uses of the substance of	or mixture and uses advised against							
	Relevant identified uses	Paint							
1.3	Details of the supplier of the safety data sheet								
	P.O.R. Products 38 Portman Road New Rochelle NY 10801 United States								
	Telephone: +1 914-636-0700 e-mail: support@porproducts.com Website: www.porproducts.com								
	e-mail (competent person)	support@porproducts.com							
1.4	Emergency telephone number								
	Emergency information service	1-800-255-3924 ChemTel Inc.							

# 2 Hazard identification

# 2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
2.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects The product is combustible and can be ignited by potential ignition sources.

## 2.2 Label elements

Labeling

- Signal word warning
- Pictograms

GHS02



- Hazard statements

H226

Flammable liquid and vapour.



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- Precautionary statem	ients
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to industrial combustion plant.

## 2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\ge 0.1\%$ .

Endocrine disrupting properties

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

# 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
solvent naphtha (petroleum), medi- um aliph.	CAS No 64742-88-7	< 0.1	Flam. Liq. 3 / H226 Acute Tox. 3 / H331 STOT RE 1 / H372 Asp. Tox. 1 / H304
benzene	CAS No 71-43-2	< 0.1	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Muta. 1B / H340 Carc. 1A / H350 STOT RE 1 / H372 Asp. Tox. 1 / H304
toluene	CAS No 108-88-3	< 0.1	Flam. Liq. 2 / H225 Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304

## Remarks

For full text of abbreviations: see SECTION 16



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#### **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

# 5 Fire-fighting measures

## 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

#### Unsuitable extinguishing media

Water jet

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

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

### 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.



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## 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

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## 7 Handling and storage

### 7.1 Precautions for safe handling

Recommendations

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

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

#### - Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

#### 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.



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

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

#### 7.3 Specific end use(s)

See section 16 for a general overview.

## 8 Exposure controls/ Personal protection

#### 8.1 **Control parameters**

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	toluene	108-88-3	OEL (BC)	20							"BC Reg- ulation"
CA	toluene	108-88-3	OEL (ON- MoL)	20							MoL
CA	toluene	108-88-3	PEV/ VEA	20							Regula- tion OHS
CA	toluene (toluol)	108-88-3	OEL (AB)	50	188					Н	OHS Code
CA	benzene	71-43-2	OEL (AB)	0.5	1.6	2.5	8			Н	OHS Code
CA	benzene	71-43-2	OEL (BC)	0.5		2.5				Н	"BC Reg- ulation"
CA	benzene	71-43-2	OEL (ON)	0.5		2.5				Н	Regula- tion 833
CA	benzene	71-43-2	OEL (ON- MoL)	0.5		2.5				Н	MoL
CA	benzene	71-43-2	PEV/ VEA	0.5		2.5				Н	Regula- tion OHS

Notation

н

ceiling value is a limit value above which exposure should not occur

Ceiling-C absorbed through the skin



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#### Notation

STEL TWA 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)

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

Relevant DNELs of components									
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time			
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - systemic ef- fects			
toluene	108-88-3	DNEL	384 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic ef- fects			
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - local effects			
toluene	108-88-3	DNEL	384 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects			
toluene	108-88-3	DNEL	384 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic ef- fects			

Relevant PNECs of components							
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental com- partment	Exposure time	
toluene	108-88-3	PNEC	0.68 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)	
toluene	108-88-3	PNEC	0.68 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single in- stance)	
toluene	108-88-3	PNEC	13.61 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)	
toluene	108-88-3	PNEC	16.39 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)	
toluene	108-88-3	PNEC	16.39 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single in- stance)	
toluene	108-88-3	PNEC	2.89 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)	
benzene	71-43-2	PNEC	1.9 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single in- stance)	
benzene	71-43-2	PNEC	1.9 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single in- stance)	
benzene	71-43-2	PNEC	39 <sup>mg</sup> /l	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)	
benzene	71-43-2	PNEC	33 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single in- stance)	
benzene	71-43-2	PNEC	33 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single in- stance)	
benzene	71-43-2	PNEC	4.8 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single in- stance)	



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### 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	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	not determined
Flash point	43.2 °C
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	not determined



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Kinematic viscosity	not determined		
Solubility(ies)			
Water solubility	miscible in any proportion		
Partition coefficient	this information is not available		
Partition coefficient Partition coefficient n-octanol/water (log value)	this information is not available		

## Density and/or relative density

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

	Particle characteristics	not relevant (liquid)	
9.2	VOC Content g/L	244	
	Information with regard to physical hazard classes	there is no additional information	
	Other safety characteristics		

Other safety characteristics

Miscibility

Completely miscible with water.

# 10 Stability and reactivity

## 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

#### If heated:

Risk of ignition

## 10.2 Chemical stability

See below "Conditions to avoid".

## 10.3 Possibility of hazardous reactions

No known hazardous reactions.

## 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.



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#### Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### 10.5 Incompatible materials

There is no additional information.

#### 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**

#### Acute toxicity

Shall not be classified as acutely toxic.

# Acute toxicity estimate (ATE) of components Name of substance CAS No Exposure route ATE solvent naphtha (petroleum), medium aliph. 64742-88-7 inhalation: vapour >5.28 mg///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.

#### 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).



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#### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## **12 Ecological information**

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### 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

Waste treatment-relevant information

Solvent reclamation/regeneration.

#### 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

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.

#### 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.



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# **POR-15 ENGINE ENAMEL HEMI ORANGE**

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## 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)

UN number	1263
Class	3
Packing group	III
Danger label(s)	3
Special provisions (SP)	163, 223, 367 (UN RTDG)
Excepted quantities (EQ)	E1 (UN RTDG)
Limited quantities (LQ)	5 L (UN RTDG)



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Int	ternational Maritime Dangerous Goo	ods Code (IMDG) - Additional information
Ma	arine pollutant	-
Da	nger label(s)	3
Sp	ecial provisions (SP)	163, 223, 367, 955
Exe	cepted quantities (EQ)	E1
Lin	nited quantities (LQ)	5 L
Em	۱S	F-E, <u>S-E</u>
Sto	owage category	А
Int	ternational Civil Aviation Organizatio	on (ICAO-IATA/DGR) - Additional information
Da	nger label(s)	3
Sp	ecial provisions (SP)	A3, A72, A192
Exe	cepted quantities (EQ)	E1
Lin	nited quantities (LQ)	10 L
15 Regu	latory information	
	fety, health and environmental regu ntional regulations (United States)	lations specific for the product in question
То	xic Substance Control Act (TSCA)	all ingredients are listed (ACTIVE) or exempt from listing

# Superfund Amendment and Reauthorization Act (SARA TITLE III )

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance         CAS No         Remarks         Effective of			
benzene	71-43-2		1986-12-31
toluene	108-88-3		1986-12-31

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

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)



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Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
benzene	71-43-2	а	1 2 3 4	10 (4,54)
toluene	108-88-3		1 2 3 4	1000 (454)

Legend

а

"1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act

1 "2" indicates that the source is section 307(a) of the Clean Water Act

2 3 "3" indicates that the source is section 112 of the Clean Air Act 4

"4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

Benzene was already a CERCLA hazardous substance prior to the CAA Amendments of 1990 and received an adjusted 10-pound RQ based on potential carcinogenicity in an August 14, 1989, final rule (54 FR 33418). The CAA Amendments specify that "benzene (including benzene from gasoline)" is a hazardous air pollutant and, thus, a CERCLA hazardous substance.

## **Right to Know Hazardous Substance List**

## - Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
benzene	71-43-2		ATSDR Neurotoxicants CA MCLs CA TACs CWA 303(c) EC Annex VI CMRs - Cat. 1A EC Annex VI CMRs - Cat. 1B IARC Carcinogens - 1 IRIS Carcinogens - A NTP 13th RoC - known OEHHA RELs Prop 65
toluene	108-88-3		ATSDR Neurotoxicants CA MCLs CA TACs CWA 303(c) IRIS Neurotoxicants OEHHA RELs Prop 65

## - Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concen- tration Threshold
benzene	71-43-2				1.0 %
toluene	108-88-3				1.0 %

- Hazardous Substance List (NJ-RTK)



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Name of substance	CAS No	Remarks	Classifications
benzene	71-43-2		CA MU F3
toluene	108-88-3		TE F3

Legend

CA

Carcinogenic Flammable - Third Degree F3

MU Mutagenic

ΤE Teratogenic

### - Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
benzene	71-43-2	T, F, C
toluene	108-88-3	T, F
toluene	108-88-3	T, F
toluene	108-88-3	T, F

Legend

C F Carcinogenicity (IARC) Flammability (NFPA®)

Т Toxicity (ACGIH®)

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

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
benzene	71-43-2		cancer
benzene	71-43-2		developmental, male
toluene	108-88-3		developmental

## Industry or sector specific available guidance(s)

## **NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	0	no significant risk to health
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temper- atures 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



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Category	Rating	Description
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	2	material that must be moderately heated or exposed to relatively high ambient temper- atures 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		

### National regulations (Canada)

## Domestic Substances List (DSL)/Non-domestic Substances List (NDSL)

All ingredients are listed or exempt from listing.

### 15.2 Chemical Safety Assessment

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

## **16 Other information**

#### 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).

#### Disclaimer

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