Safety Data Sheet

acc. to GHS-NZ

POR-15 CAST ALUMINUM DETAIL PAINT AEROSOL

Version number: GHS 5.0
Replaces version of: 2023-08-03 (GHS 4)

Revision: 2024-01-08

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	**POR-15 CAST ALUMINUM DETAIL PAINT AEROSOL**
Product code(s)	41618

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

Relevant identified uses	Paint

1.3 Details of the supplier of the safety data sheet

e-mail (competent person)	support@porproducts.com

1.3 Details of the supplier of the safety data sheet

Manufacturer:
P.O.R. Products:
38 Portman Road:
New Rochelle:
NY 10801:
United States:
support@porproducts.com:
www.porproducts.com:

Supplier of Product: HGLB Holdings Limited
Registered Office
69 Rutherford Street
Lower Hutt 5010
Sales@por15nz.com
021-446682
:

1.4 Emergency telephone number

New Zealand ((Mon - Fri, 09:00-17:00 NZST)	NZ Poisons Information Center: 0800 764 766 or +(64) 3 474 7000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.3	aerosols	1	Aerosol 1	H222,H229
2.12	substance and mixture which, in contact with water, emits flammable gas	2	Water-react. 2	H261
3.2	skin corrosion/irritation	3	Skin Irrit. 3	H316
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.5	germ cell mutagenicity	1B	Muta. 1B	H340
3.6	carcinogenicity	1A	Carc. 1A	H350
3.7	reproductive toxicity	2	Repr. 2	H361d
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
4.1A	hazardous to the aquatic environment - acute hazard	3	Aquatic Acute 3	H402

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

In contact with water releases flammable gases which may ignite spontaneously. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08 

- Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated.
H261	In contact with water releases flammable gas.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H361d	Suspected of damaging the unborn child.
H402	Harmful to aquatic life.

- Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P223	Do not allow contact with water.
P231+P232	Handle and store contents under inert gas. Protect from moisture.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P335+P334	IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P402+P404	Store in a dry place. Store in a closed container.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling n-butane, toluene, acetone, propane

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0,1%.

SECTION 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
acetone	CAS No 67-64-1	25 – < 50	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336
propane	CAS No 78-93-3	25 – < 50	Flam. Liq. 2 / H225 Acute Tox. 5 / H303 Eye Irrit. 2 / H319 STOT SE 3 / H336
n-butane	CAS No 106-97-8	10 – < 25	Flam. Gas 1A / H220 Press. Gas C / H280 Muta. 1B / H340 Carc. 1A / H350 Aquatic Acute 3 / H402
n-butyl acetate	CAS No 123-86-4	10 – < 25	Flam. Liq. 3 / H226 STOT SE 3 / H336 Aquatic Acute 3 / H402
toluene	CAS No 108-88-3	5 – < 10	Flam. Liq. 2 / H225 Acute Tox. 5 / H333 Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304 Aquatic Acute 2 / H401
isobutyl acetate	CAS No 110-19-0	5 – < 10	
calcium carbonate	CAS No 471-34-1	1 – < 5	Acute Tox. 5 / H303 Acute Tox. 5 / H313 Acute Tox. 4 / H332 Aquatic Acute 3 / H402
Aluminum flake	CAS No 7429-90-5	1 – < 5	Pyr. Sol. 1 / H250 Water-react. 2 / H261 Acute Tox. 3 / H331

For full text of abbreviations: see SECTION 16.

SECTION 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. In case of respiratory tract irritation, consult a physician. 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

Narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

D-Powder, Dry sand

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Product may release hydrogen gas. Increased storage temperatures will accelerate this process. Water-reactive (in contact with water releases flammable gases).

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. Co-ordinate 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.

SECTION 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 vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

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.

SECTION 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. 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

Managing of associated risks

- Flammability hazards

Do not spray on an open flame or other ignition source. Protect from sunlight.

- Incompatible substances or mixtures

Do not allow contact with water.

- Evaporative conditions

Keep container tightly closed and in a well-ventilated place.

- 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.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

Relevant DNELs of components

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
acetone	67-64-1	DNEL	1,210 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
acetone	67-64-1	DNEL	2,420 mg/m³	human, inhalatory	worker (industry)	acute - local effects
acetone	67-64-1	DNEL	186 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
propane	78-93-3	DNEL	600 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
propane	78-93-3	DNEL	1,161 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
toluene	108-88-3	DNEL	384 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
toluene	108-88-3	DNEL	192 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
toluene	108-88-3	DNEL	384 mg/m³	human, inhalatory	worker (industry)	acute - local effects
toluene	108-88-3	DNEL	384 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
isobutyl acetate	110-19-0	DNEL	300 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
isobutyl acetate	110-19-0	DNEL	600 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
isobutyl acetate	110-19-0	DNEL	300 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
isobutyl acetate	110-19-0	DNEL	600 mg/m³	human, inhalatory	worker (industry)	acute - local effects
isobutyl acetate	110-19-0	DNEL	10 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
isobutyl acetate	110-19-0	DNEL	10 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
calcium carbonate	471-34-1	DNEL	6.36 mg/m³	human, inhalatory	worker (industry)	chronic - local effects

Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
acetone	67-64-1	PNEC	10.6 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
acetone	67-64-1	PNEC	1.06 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
acetone	67-64-1	PNEC	100 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
acetone	67-64-1	PNEC	30.4 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
acetone	67-64-1	PNEC	3.04 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
acetone	67-64-1	PNEC	29.5 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
propane	78-93-3	PNEC	55.8 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
propane	78-93-3	PNEC	55.8 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
propane	78-93-3	PNEC	709 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
propane	78-93-3	PNEC	284.7 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
propane	78-93-3	PNEC	284.7 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
propane	78-93-3	PNEC	22.5 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
toluene	108-88-3	PNEC	0.68 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
toluene	108-88-3	PNEC	0.68 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)
toluene	108-88-3	PNEC	13.61 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
toluene	108-88-3	PNEC	16.39 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
toluene	108-88-3	PNEC	16.39 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
toluene	108-88-3	PNEC	2.89 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)
isobutyl acetate	110-19-0	PNEC	0.17 $^{mg}/_{l}$	aquatic organisms	freshwater	short-term (single instance)
isobutyl acetate	110-19-0	PNEC	0.017 $^{mg}/_{l}$	aquatic organisms	marine water	short-term (single instance)

Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
isobutyl acetate	110-19-0	PNEC	200 $^{mg}/_{l}$	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
isobutyl acetate	110-19-0	PNEC	0.877 $^{mg}/_{kg}$	aquatic organisms	freshwater sediment	short-term (single instance)
isobutyl acetate	110-19-0	PNEC	0.088 $^{mg}/_{kg}$	aquatic organisms	marine sediment	short-term (single instance)
isobutyl acetate	110-19-0	PNEC	0.075 $^{mg}/_{kg}$	terrestrial organisms	soil	short-term (single instance)

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 protective 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

During spraying wear suitable respiratory equipment.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid, solid, gaseous (spray aerosol)
Colour	not determined
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	-161.5 °C at 1,013 hPa

Flammability	flammable aerosol in accordance with GHS criteria mixture which, in contact with water, emits flammable gases (in accordance with GHS criteria)
Lower and upper explosion limit	1.1 vol% - 15 vol%
Flash point	-88.6 °C at 1,013 hPa
Auto-ignition temperature	415 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not relevant
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	240 hPa at 20 °C

Density and/or relative density

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

Particle characteristics	not relevant (aerosol)

9.2 Other information

Information with regard to physical hazard classes

Aerosols

- Components (flammable)	89 %

Other safety characteristics

Solid content	5 %
Propellant content	14 %

SECTION 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. Reactivity with water.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

Material reacts vigorously with water emitting flammable gases.

10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. Keep away from heat.

Hints to prevent fire or explosion

Protect from sunlight.

10.5 Incompatible materials

Water, Oxidisers

Release of flammable materials with:

Water

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.

SECTION 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
propane	78-93-3	oral	2,054 $^{mg}/_{kg}$
toluene	108-88-3	inhalation: vapour	28.1 $^{mg}/_{l}$/4h

Acute toxicity estimate (ATE) of components			
Name of substance	**CAS No**	**Exposure route**	**ATE**
calcium carbonate	471-34-1	oral	>2,000 $^{mg}/_{kg}$
calcium carbonate	471-34-1	dermal	>2,000 $^{mg}/_{kg}$
calcium carbonate	471-34-1	inhalation: dust/mist	>3 $^{mg}/_{l}$/4h
Aluminum flake	7429-90-5	inhalation: dust/mist	>0.888 $^{mg}/_{l}$/4h

Skin corrosion/irritation

Causes mild skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

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.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life.

Aquatic toxicity (acute) of components					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
acetone	67-64-1	LC50	8,120 $^{mg}/_{l}$	fish	96 h
propane	78-93-3	LC50	2,993 $^{mg}/_{l}$	fish	96 h

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
propane	78-93-3	EC50	308 $^{mg}/_{l}$	aquatic invertebrates	48 h
propane	78-93-3	ErC50	2,029 $^{mg}/_{l}$	algae	96 h
n-butane	106-97-8	LC50	49.9 $^{mg}/_{l}$	fish	96 h
n-butane	106-97-8	EC50	19.37 $^{mg}/_{l}$	algae	96 h
n-butyl acetate	123-86-4	LC50	18 $^{mg}/_{l}$	fish	96 h
n-butyl acetate	123-86-4	EC50	18 $^{mg}/_{l}$	fish	96 h
n-butyl acetate	123-86-4	ErC50	335 $^{mg}/_{l}$	algae	24 h
toluene	108-88-3	LC50	5.5 $^{mg}/_{l}$	fish	96 h
toluene	108-88-3	EC50	84 $^{mg}/_{l}$	microorganisms	24 h
isobutyl acetate	110-19-0	LC50	16.6 $^{mg}/_{l}$	fish	96 h
isobutyl acetate	110-19-0	EC50	26.8 $^{mg}/_{l}$	aquatic invertebrates	24 h
isobutyl acetate	110-19-0	ErC50	335 $^{mg}/_{l}$	algae	24 h
calcium carbonate	471-34-1	EC50	>14 $^{mg}/_{l}$	algae	72 h

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 in a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0,1%.

12.7 Other adverse effects

Data are not available.

SECTION 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/packagings

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.

SECTION 14: Transport information

14.1 UN number

UN RTDG	UN 1950
IMDG-Code	UN 1950
ICAO-TI	UN 1950

14.2 UN proper shipping name

UN RTDG	AEROSOLS
IMDG-Code	AEROSOLS
ICAO-TI	Aerosols, flammable

14.3 Transport hazard class(es)

UN RTDG	2.1
IMDG-Code	2.1
ICAO-TI	2.1

14.4 Packing group

not assigned

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

National regulations (New Zealand)

New Zealand Inventory of Chemicals
(NZIoC)

Aerosols (Flammable) Group Standard 2020 HSR002515.

NZIoC

Name of substance	CAS No	Approval status
acetone	67-64-1	HSNO Approval: HSR001070
propane	78-93-3	HSNO Approval: HSR001190
toluene	108-88-3	HSNO Approval: HSR001227
n-butyl acetate	123-86-4	HSNO Approval: HSR001091
n-butane	106-97-8	HSNO Approval: HSR000989
calcium carbonate	471-34-1	HSNO Approval: HSR006678
Aluminum flake	7429-90-5	Does not have an individual approval but may be used under an appropriate group standard

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Key literature references and sources for data

Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").

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.