

Safety Data Sheet

According to HSNO Regulations

Initial preparation date: 10.02.2017

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CAST ALUMINUM DETAIL PAINT AEROSOL

SECTION 1: Identification

Product identifier

Product name: CAST ALUMINUM DETAIL PAINT AEROSOL

Product code: 41618

Additional information: No additional information available.



Recommended use of the product and restriction on use:

Relevant identified uses: Paints and coatings.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

P.O.R. Products
38 Portman Road
New Rochelle, NY 10801
914-636-0700

Supplier:

HGLB Holdings
30 Victoria Street
Petone 5012
021 446682
sales@por15nz.com

Emergency telephone number:

ChemTel Inc.

+1 813 248 0585

Poisons Information Center, New Zealand

0800 764 766

SECTION 2: Hazards identification

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017
HSNO Classification or Subclasses – Physical hazards:

Class	GHS Category	HSNO Category
Flammable aerosols	Category 1	2.1.2A
Substance and mixture, which in contact with water, emit flammable gas	Category 1	4.3A

HSNO Classification or Subclasses – Health hazards:

Class	GHS Category	HSNO Category
Skin irritation	Category 2	6.3A
Eye irritation	Category 2A	6.4A
Reproductive toxicity	Category 2	6.8B
Specific target organ toxicity - single exposure	Category 3, central nervous system	6.9B
Specific target organ toxicity - repeated exposure	Category 2	6.9B

HSNO Classification or Subclasses – Environmental hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

GHS classification:

Flammable aerosols, category 1

Substance and mixture, which in contact with water, emit flammable gas 1

Skin irritation, category 2

Eye irritation, category 2A

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Reproductive toxicity, category 2

Specific target organ toxicity - single exposure, category 3, central nervous system

Specific target organ toxicity - repeated exposure, category 2

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements and Precautionary statements:

H222 Extremely flammable aerosol

H260 In contact with water releases flammable gases which may ignite spontaneously

H315 Causes skin irritation

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

H361 Suspected of damaging fertility or the unborn child

H373 May cause damage to organs through prolonged or repeated exposure

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking

P211 Do not spray on an open flame or other ignition source

P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire

P231+P232 Handle under inert gas. Protect from moisture

P251 Pressurized container. Do not pierce or burn, even after use

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P264 Wash skin thoroughly after handling

P271 Use only outdoors or in a well-ventilated area

P280 Wear protective gloves/protective clothing/eye protection/face protection

P302+P352 If on skin: Wash with soap and water

P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

P308+P313 If exposed or concerned: Get medical advice/attention

P321 Specific treatment (see supplemental first aid instructions on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention

P335+P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages

P362 Take off contaminated clothing and wash before reuse

P370+P378 In case of fire: Use agents recommended in section 5 for extinction

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 and container as instructed in Section 13

Hazards not otherwise classified:

None known.

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SECTION 3: Composition/information on ingredients

Mixture:

Identification	Name	Weight %
CAS number: 8052-41-3	Stoddard Solvent	20-25
CAS number: 7429-90-5	Aluminum	15-25
CAS number: 67-64-1	Acetone	15-20
CAS number: 74-98-6	Propane	10-12
CAS number: 106-97-8	Butane	5-7
CAS number: 1317-65-3	Limestone	5-7
CAS number: 110-19-0	Isobutyl acetate	3-6
CAS number: 7727-43-7	Barium Sulfate, Natural	3-6
CAS number: 64742-47-8	Distillates (petroleum), hydrotreated light	1-3
CAS number: 1330-20-7	Xylene	1-3
CAS number: 64742-89-8	Solvent naphtha (petroleum), light aliphatic	1-3

Additional information:

None known

SECTION 4: First-aid measures

For advice, contact a Poisons Information Center (e.g. phone Australia 131 126, New Zealand 0800 764 766) or a doctor.

Description of first aid measures

General notes:

Get medical attention if you feel unwell

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.

Maintain an unobstructed airway.

Get medical advice/attention if you feel unwell.

After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

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After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

If symptoms develop or persist, seek medical attention.

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open.

Remove contact lenses, if present and easy to do so.

Continue rinsing for 15-20 minutes.

Get medical advice if eye irritation persists.

After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed:

Acute symptoms and effects:

Pressurized containers are prone to bursting if mishandled and causing physical injury.

Dermal symptoms may include irritation, redness, pain, inflammation, itching, burning and tearing.

Delayed symptoms and effects:

Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Immediate medical attention and special treatment:

Specific treatment:

Not determined or not available.

Notes for the doctor:

Treat symptomatically.

Workplace Facilities:

Not determined or not available.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Unsuitable extinguishing media:

Do not use water as an extinguisher, as the product is dangerous when wet.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

Contents under pressure.

In a fire or if heated, a pressure increase will occur and the container may burst or explode.

Vapors can flow to distant ignition sources and flashback

Liquid is volatile and may generate an explosive atmosphere.

The substance is water reactive.

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Special precautions:

Shut off sources of ignition.

Carbon monoxide and carbon dioxide may form upon combustion.

Heating causes a rise in pressure, risk of bursting and combustion.

Hazchem or Emergency Action Code:

HAZCHEM Code: Not Available.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

- Ensure adequate ventilation.
- Ensure air handling systems are operational.
- Wear protective eye wear, gloves and clothing.
- Beware of vapors accumulating to form explosive concentrations.
- Vapors can accumulate in low areas.

Environmental precautions:

- Should not be released into the environment.
- Prevent from reaching drains, sewer or waterway.

Methods and material for containment and cleaning up:

- Wear protective eye wear, gloves and clothing.
- Use spark-proof tools and equipment.
- Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).
- Dispose of contents / container in accordance with local regulations.

Reference to other sections:

- Replace with:
- Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

SECTION 7: Handling and storage precautions

Precautions for safe handling:

- KEEP OUT OF REACH OF CHILDREN.
- Use only with adequate ventilation.
- Avoid breathing mist or vapor.
- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Do not puncture, crush, or incinerate containers, even when empty.
- Protect cylinders from physical damage.
- Handle away from water sources.

Conditions for safe storage, including any incompatibilities:

- Protect from freezing and physical damage.
- Protect from direct sunlight.
- Store in a cool, well-ventilated area.
- Store cylinders upright.
- Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).
- Store in a dry area, away from moisture and water.
- Isolate product by a waterproof/water-resistant barrier.
- Keep off the floor.

Safe packaging material

Suitable material:

- Not determined or not applicable.

Unsuitable material:

- Not determined or not applicable.

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SECTION 8: Exposure controls and personal protection

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Zealand	Propane	74-98-6	Simple asphyxiant – may present an explosion hazard
	Xylene	1330-20-7	TWA: 50 ppm. TWA: 217 mg/m ³
	Aluminum	7429-90-5	TWA: 10 mg/m ³ (metal dust) TWA: 5 mg/m ³ (welding fumes as Al) TWA: 5 mg/m ³ (Pyro Powders, as Al) TWA: 5 mg/m ³ (Soluble Salts, as Al) TWA: 2 mg/m ³ (as Alkyls)
	Toluene	108-88-3	TWA: 50 ppm. TWA: 188 mg/m ³
	Stoddard Solvent	8052-41-3	TWA: 100 ppm. TWA: 525 mg/m ³
	Acetone	67-64-1	TWA: 500 ppm. TWA: 1185 mg/m ³ 15-minute STEL: 1000 ppm. 15-minute STEL: 2375 mg/m ³
	Butane	106-97-8	TWA: 800 ppm. TWA: 1900 mg/m ³
	Isobutyl acetate	110-19-0	TWA: 150 ppm. TWA: 713 mg/m ³
	Barium Sulfate, Natural	7727-43-7	TWA: 10 mg/m ³

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls

Biological monitoring may also be appropriate for some substances

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

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Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Appearance	Aerosol
Odor	Aromatic
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	-110 °C (-166 °F)
Flash point (closed cup)	-19 °C (-2 °F)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Extremely flammable
Upper flammability/explosive limit	10.9 Vol %
Lower flammability/explosive limit	1.5 Vol %
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Between 0.77 and 0.85 (Water equals 1.00)
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Product is not self-igniting
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	In use, may form flammable/explosive vapor-air mixture
Oxidizing properties	Not determined or not available.

Other information

VOC content (less exempt solvents)	Not available
MIR Value	Not available
Solids Content	Not available

SECTION 10: Stability and reactivity

Reactivity:

Material will react with water and may release a flammable and/or toxic gas.

Chemical stability:

Combines vigorously or explosively with water.

Possibility of hazardous reactions:

This material undergoes a chemical reaction when in contact with water that may release a gas that is flammable and/or toxic to health.

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Conditions to avoid:

Avoid exposure to water and moist environments.

Incompatible materials:

Water.

Hazardous decomposition products:

Irritating and toxic fumes and gases.

SECTION 11: Toxicological information

Acute toxicity:

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Xylene	dermal	LD50 - Rat - > 1,700 mg/kg
	inhalation	LC50 - Rat - 5,000 ppm/4 h

Skin corrosion/irritation:

Assessment: Causes skin irritation

Product data: No data available.

Substance data:

Name	Result
Toluene	Irritating to the skin.
Xylene	Irritating to the skin.

Serious eye damage/irritation:

Assessment: Causes serious eye irritation

Product data: No data available.

Substance data:

Name	Result
Acetone	Causes serious eye irritation.

Respiratory or skin sensitization:

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Species	Result
Solvent naphtha (petroleum), light aliphatic	Solvent naphtha (petroleum), light aliphatic	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).
Stoddard Solvent	Stoddard Solvent	Component may cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Toluene	Group 3 - Not classifiable as to its carcinogenicity to humans
Xylene	Group 3 - Not classifiable as to its carcinogenicity to humans
Distillates (petroleum), hydrotreated light	Group 3 - Not classifiable as to its carcinogenicity to humans

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National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Solvent naphtha (petroleum), light aliphatic	The classification as a mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).
Stoddard Solvent	May cause genetic defects.

Reproductive toxicity

Assessment: Suspected of damaging fertility or the unborn child

Product data: No data available.

Substance data:

Name	Result
Toluene	Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure)

Assessment: May cause drowsiness or dizziness

Product data: No data available.

Substance data:

Name	Result
Acetone	Specific Target Organ Toxicity, Single Exposure - May cause drowsiness or dizziness.
Toluene	Component affects the central nervous system.

Specific target organ toxicity (repeated exposure)

Assessment: May cause damage to organs through prolonged or repeated exposure

Product data: No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Distillates (petroleum), hydrotreated light	May be fatal if swallowed and enters airway.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

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Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Hazard to the ozone layer

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.


SECTION 13: Disposal considerations

Disposal methods:


It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

SECTION 14: Transportation information

Road/Rail transport: (NZS 5433:1999)

UN number	1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IATA-ICAO)

UN number	1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
ERG code	10L
Excepted quantities	E0

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Passenger and cargo	75 kg
Cargo aircraft only	150 kg
Limited quantity	30 kg G
Additional Information	No additional data

International Air Transport Association Dangerous Goods Regulations (IMDG)

UN number	1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
UN transport hazard class(es)	2.1 
Packing group	None
Environmental hazards	None
Special precautions for user	None
EmS number	F-D, S-U
Stowage category	For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but "Separated from" class 1 except division 1.4. For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2. For WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2.
Excepted quantities	E0

Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

New Zealand Inventory of Chemicals (NZIoC):

1330-20-7	Xylene	Listed
64742-47-8	Distillates (petroleum), hydrotreated light	Listed
7429-90-5	Aluminum	Listed
108-88-3	Toluene	Listed
8052-41-3	Stoddard Solvent	Listed
67-64-1	Acetone	Listed
74-98-6	Propane	Listed
106-97-8	Butane	Listed
110-19-0	Isobutyl acetate	Listed
1317-65-3	Limestone	Listed
7727-43-7	Barium Sulfate, Natural	Listed
64742-89-8	Solvent naphtha (petroleum), light aliphatic	Listed

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Skin irritation	Category 2	6.3A
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Eye irritation	Category 2A	6.4A
Specific target organ toxicity - single exposure	Category 3, central nervous system	6.9B
Specific target organ toxicity - repeated exposure	Category 2	6.9B

HSNO Group Standard Name :	HSNO Approval Number:
Not Determined	Not Determined

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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Revision Date: New

End of Safety Data Sheet