

Safety Data Sheet
According to HSNO Regulations

Initial preparation date: 09.27.2017

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High Temp Aluminum

SECTION 1: Identification

Product identifier

Product name: High Temp Aluminum

Product code: 44301; 44304; 44305; 44316; 44355

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 liquids	Category 3	3.1C

HSNO Classification or Subclasses – Health hazards:

Class	GHS Category	HSNO Category
Skin sensitization	Category 1	6.5B
Aspiration hazard	Category 1	6.1E
Carcinogenicity	Category 1A	6.7A
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
Chronic aquatic hazard	Category 2	9.1B

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GHS classification:

Flammable liquids, category 3
Skin sensitization, category 1
Aspiration hazard, category 1
Specific target organ toxicity - single exposure, category 3, central nervous system
Specific target organ toxicity - repeated exposure, category 1
Carcinogenicity, category 1A
Chronic aquatic hazard, category 2

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements and Precautionary statements:

H226 Flammable liquid and vapor
H317 May cause an allergic skin reaction
H304 May be fatal if swallowed and enters airways
H336 May cause drowsiness or dizziness
H372 Causes damage to organs through prolonged or repeated exposure
H350 May cause cancer
H411 Toxic to aquatic life with long lasting effects
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/light/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P280 Wear protective gloves/protective clothing/eye protection/face protection
P272 Contaminated work clothing should not be allowed out of the workplace
P271 Use only outdoors or in a well-ventilated area
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P273 Avoid release to the environment
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P281 Use personal protective equipment as required.
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower
P370+P378 In case of fire: Use agents recommended in section 5 for extinction
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse
P302+P352 If on skin: Wash with soap and water
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

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- P331 Do not induce vomiting
- P301+P310 If swallowed: Immediately call a poison center or doctor/physician
- 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
- P308+P313 If exposed or concerned: Get medical advice/attention
- P391 Collect spillage
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P314 Get medical advice/attention if you feel unwell
- P405 Store locked up
- P403+P233 Store in a well ventilated place. Keep container tightly closed
- P403+P235 Store in a well ventilated place. Keep cool.
- P501 Dispose of contents and container as instructed in Section 13

Hazards not otherwise classified:

None known.

SECTION 3: Composition/information on ingredients

Mixture:

Identification	Name	Weight %
CAS number: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	35-40
CAS number: 1330-20-7	Xylene	<1
CAS number: 100-41-4	Ethyl Benzene	<1
CAS number: 68953-58-2	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	<5
CAS number: 64742-47-8	Distillates (petroleum), hydrotreated light	<1
CAS number: 14808-60-7	Silica, crystalline quartz	<1
CAS number: 136-52-7	Cobalt bis(2-ethylhexanoate)	<1
CAS number: 7429-90-5	Aluminum	15-30
CAS number: 96-29-7	Methyl ethyl ketoxime	<1
CAS number: 8052-41-3	Stoddard Solvent	14-24

Additional information:

None known

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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:

Not determined or not available.

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.

After eye contact:

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

If symptoms develop or persist, seek medical attention.

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:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

Immediate medical attention and special treatment:

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available.

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:

Not determined or not applicable.

Specific hazards during fire-fighting:

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

Vapors can flow to distant ignition sources and flashback

Liquid is volatile and may generate an explosive atmosphere.

Special protective equipment for firefighters:

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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:

Not determined or not available.

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:

Not determined or not applicable.

SECTION 7: Handling and storage precautions

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Take precautionary measures against electrostatic discharges.

Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

Safe packaging material

Suitable material:

Not determined or not applicable.

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Unsuitable material:

Not determined or not applicable.

SECTION 8: Exposure controls and personal protection

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Zealand	Xylene	1330-20-7	TWA: 350 mg/m ³ (80 ppm); STEL: 655 mg/m ³ (150 ppm)
	Ethyl Benzene	100-41-4	TWA: 434 mg/m ³ (100 ppm) 15-minute STEL: 543 mg/m ³ (125 ppm)
	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)
	Stoddard Solvent	8052-41-3	TWA: 100 ppm.

Biological limit value:

No biological exposure limits noted for the ingredient(s)

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.

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.

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SECTION 9: Physical and chemical properties

Appearance	Aluminum Liquid
Odor	Characteristic
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	284°F (140°C)
Flash point (closed cup)	105°F (41°C)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	6.6 hPa
Vapor density	Not determined or not available.
Density	1.50 g/mL
Relative density	Not determined or not available.
Solubilities	Not miscible.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

VOC Content	594 (Calculated using US EPA Method 24A)
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SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

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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
Ethyl Benzene	inhalation	LCLo - Rat - 4,000 ppm/4 h
Xylene	dermal	LD50 - Rat - > 1,700 mg/kg
	inhalation	LC50 - Rat - 5,000 ppm/4 h

Skin corrosion/irritation:

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

Product data: No data available.

Substance data:

Name	Result
Xylene	Irritating to the skin.
Naphtha (petroleum),	Irritating to the skin.
Cobalt bis(2-ethylhexanoate)	Irritating to the skin.

Serious eye damage/irritation:

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

Product data: No data available.

Substance data:

Name	Result
Methyl ethyl ketoxime	Risk of serious damage to the eyes.

Respiratory or skin sensitization:

Assessment: May cause an allergic skin reaction

Product data: No data available.

Substance data:

Name	Result
Cobalt bis(2-ethylhexanoate)	May cause sensitization by skin contact.
Methyl ethyl ketoxime	May cause sensitization by skin contact

Carcinogenicity

Assessment: May cause cancer

Product data: No data available.

Substance data:

Name	Species	Result
Stoddard Solvent	Stoddard Solvent	Component may cause cancer.
Silica, crystalline quartz	Silica, crystalline quartz	Airborne particles of respirable size are known to cause cancer.
Methyl ethyl ketoxime		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
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Ethyl Benzene	Group 2B - Possibly carcinogenic to humans
Xylene	Group 3 - Not classifiable as to its carcinogenicity to humans
Silica, crystalline quartz	Group 1 - Carcinogenic to humans
Distillates (petroleum),	Group 3 - Not classifiable as to its carcinogenicity to humans

National Toxicology Program (NTP):

Name	Result
Silica, crystalline quartz	Known to be human carcinogens

Germ cell mutagenicity

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

Product data: No data available.

Substance data:

Name	Result
Stoddard Solvent	May cause genetic defects.

Reproductive toxicity

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

Product data: No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: May cause drowsiness or dizziness

Product data: No data available.

Substance data:

Name	Result
Ethyl Benzene	Repeated exposure damages the hearing organs.
Naphtha (petroleum), hydrotreated heavy	Component affects the central nervous system.
Silica, crystalline quartz	Component affects the lungs through repeated exposure.

Specific target organ toxicity (repeated exposure)

Assessment: Causes damage to organs through prolonged or repeated exposure

Product data: No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: May be fatal if swallowed and enters airways

Product data: No data available.

Substance data:

Name	Result
Ethyl Benzene	May be fatal if swallowed and enters airway.
Naphtha (petroleum), hydrotreated heavy	May be fatal if swallowed and enters airway.
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.

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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:

Name	Result
Cobalt bis(2-ethylhexanoate)	NOEC - Pimephales promelas - 0.21 mg/L - 34 d

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	1263
UN proper shipping name	Paint
UN transport hazard class(es)	3  
Packing group	III
Environmental hazards	Marine Pollutant

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	(Naphtha (petroleum), hydrotreated heavy)
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	1263
UN proper shipping name	Paint
UN transport hazard class(es)	3  
Packing group	III
Environmental hazards	Marine Pollutant (Naphtha (petroleum), hydrotreated heavy)
Special precautions for user	None
ERG code	3L
Excepted quantities	E1
Passenger and cargo	60L
Cargo aircraft only	220L
Limited quantity	10L
Additional Information	No additional data

International Air Transport Association Dangerous Goods Regulations (IATA-ICAO)

UN number	1263
UN proper shipping name	Paint
UN transport hazard class(es)	3  
Packing group	III
Environmental hazards	Marine Pollutant (Naphtha (petroleum), hydrotreated heavy)
Special precautions for user	None

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):

64742-48-9	Naphtha (petroleum), hydrotreated heavy	Listed
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1330-20-7	Xylene	Listed
100-41-4	Ethyl Benzene	Listed
68953-58-2	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	Listed
64742-47-8	Distillates (petroleum), hydrotreated light	Listed
14808-60-7	Silica, crystalline quartz	Listed
136-52-7	Cobalt bis(2-ethylhexanoate)	Listed
7429-90-5	Aluminum	Listed
96-29-7	Methyl ethyl ketoxime	Listed
8052-41-3	Stoddard Solvent	Listed

HSNO Classification or Subclasses:

Class	GHS Category	HSNO Category
Flammable liquids	Category 3	3.1C
Skin sensitization	Category 1	6.5B
Aspiration hazard	Category 1	6.1E
Carcinogenicity	Category 1A	6.7A
Specific target organ toxicity - single exposure	Category 3, central nervous system	6.9B
Specific target organ toxicity - repeated exposure	category 2	6.9B
Chronic aquatic hazard	Category 2	9.1B

HSNO Group Standard Name :	HSNO Approval Number:
Replace with Surface Coatings and Colourants (Flammable, Toxic [6.7])	HSR002669

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