CAST ALUMINUM DETAIL PAINT AEROSOL

SECTION 1: Identification

Product identifier

Product name: CAST ALUMINUM DETAIL PAINT AEROSOL
Product code: 41618

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

Emergency telephone number:

United States
ChemTel Inc.
+1 800 255 3924
+1 813 248 0585

SECTION 2: Hazard(s) identification

GHS classification:

Flammable aerosols, category 1
Compressed gases
Substance and mixture, which in contact with water, emit flammable gas 1
Skin irritation, category 2
Eye irritation, category 2A
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:

H222 Extremely flammable aerosol
H280 Contains gas under pressure; may explode if heated
H260 In contact with water releases flammable gases which may ignite spontaneously
H315 Causes skin irritation
H319 Causes serious eye irritation
H361 Suspected of damaging fertility or the unborn child

H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 Do not spray on an open flame or other ignition source
P251 Pressurized container. Do not pierce or burn, even after use
P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire
P280 Wear protective gloves/protective clothing/eye protection/face protection
P231+P232 Handle under inert gas. Protect from moisture
P264 Wash skin thoroughly after handling
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P271 Use only outdoors or in a well-ventilated area
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P335+P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages
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).
P362 Take off contaminated clothing and wash before reuse
P302+P352 If on skin: Wash with soap and water
P332+P313 If skin irritation occurs: Get medical advice/attention
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
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
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P410+P403 Protect from sunlight. Store in a well ventilated place
P405 Store locked up
P403+P233 Store in a well ventilated place. Keep container tightly closed
P501 Dispose of contents and container as instructed in Section 13

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1330-20-7	Xylene	1-3
CAS number: 64742-47-8	Mineral Spirits	1-3
CAS number: 7429-90-5	Aluminum flake	1-3
CAS number: 108-88-3	Toluene	15-25
CAS number: 67-64-1	Acetone	20-25
CAS number: 74-98-6	Propane	15-20

CAS number: 106-97-8	n-Butane	10-12
CAS number: 110-19-0	Isobutyl acetate	5-7
CAS number: 1317-65-3	Calcium Carbonate	3-6

Additional Information: None

SECTION 4: First aid measures

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

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:

Dizziness

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Treat symptomatically

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use 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

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, diatomaceus 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 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.
Do not puncture, crush, or incinerate containers, even when empty.
Protect cylinders from physical damage.
Handle away from water sources.
KEEP OUT OF REACH OF CHILDREN.

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.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Xylene	1330-20-7	ACGIH TWA: 100.0 ppm
	n-Butane	106-97-8	ACGIH STEL 1,000 ppm
	Mineral Spirits	64742-47-8	ACGIH TLV TWA: 200 mg/m³
	Propane	74-98-6	ACGIH TLV TWA 2,500 ppm
	Xylene	1330-20-7	ACGIH STEL: 150.0 ppm
	n-Butane	106-97-8	ACGIH TLV TWA 800 ppm
	Calcium Carbonate	1317-65-3	ACGIH TLV TWA 10.0 mg/m³ ((Inhalable particulate matter containing no asbestos and < 1% crystalline silica)
	Isobutyl acetate	110-19-0	TLV TWA 8-hr: 50 ppm; STEL 15-min: 150 ppm
	Acetone	67-64-1	8-hour Exposure Limit (TLV-TWA): 250 ppm
	Acetone	67-64-1	15-minute STEL: 500 ppm
	Toluene	108-88-3	ACGIH TWA: 20 ppm
	Aluminum flake	7429-90-5	ACGIH TLV TWA 10.0 mg/m³ (Metal dust)
	Aluminum flake	7429-90-5	ACGIH TLV TWA 2.0 mg/m³ (Soluble salts)
	Aluminum flake	7429-90-5	ACGIH TLV TWA 5.0 mg/m³ (Pyro powders, welding fumes)
	Aluminum flake	7429-90-5	ACGIH TLV TWA: 1.0 mg/m³ (Respirable fraction)
United States (OSHA)	Calcium Carbonate	1317-65-3	OSHA PEL TWA 15 mg/m³ (Total dust)
	Calcium Carbonate	1317-65-3	OSHA PEL TWA 5 mg/m³ (Respirable fraction)
	Propane	74-98-6	OSHA PEL TWA 1,000 ppm (1,800 mg/m³)
	Xylene	1330-20-7	STEL: 655 mg/m³ (150 ppm)
	Isobutyl acetate	110-19-0	PEL: 700 mg/m³ (150 ppm)
	Acetone	67-64-1	TWA: 750 ppm (1800 mg/m³)
	Acetone	67-64-1	STEL: 1000 ppm (2400 mg/m³)
	Toluene	108-88-3	OSHA PEL 300 ppm Ceiling

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Toluene	108-88-3	OSHA PEL TWA 200 ppm
	Toluene	108-88-3	OSHA PEL 500 ppm Peak (10 mins)
	Aluminum flake	7429-90-5	OSHA PEL TWA 15 mg/m³ (Total dust)
	Aluminum flake	7429-90-5	OSHA PEL TWA 5 mg/m³ (Respirable fraction)
	Xylene	1330-20-7	OSHA TWA: 435.0 mg/m³ (100.0 ppm)
NIOSH	n-Butane	106-97-8	NIOSH REL TWA 800 ppm (1,900 mg/m³)
	Propane	74-98-6	NIOSH REL TWA 1,000 ppm (1,800 mg/m³)
	Calcium Carbonate	1317-65-3	REL: 10 mg/m³ (Total dust); 5 mg/m³ (Respirable dust)
	Isobutyl acetate	110-19-0	REL: 700 mg/m³ (150 ppm)
	Isobutyl acetate	110-19-0	IDLH: 1,300 ppm
	Acetone	67-64-1	REL (for up to a 10-hour workday during a 40-hour workweek): 250 ppm (590 mg/m³)
	Acetone	67-64-1	IDLH: 2500 ppm
	Toluene	108-88-3	NIOSH TWA 375.0 mg/m³; 100 ppm
	Toluene	108-88-3	NIOSH STEL 560 mg/m³; 150 ppm
	Aluminum flake	7429-90-5	NIOSH REL TWA 10 mg/m³ (Total dust)
	Aluminum flake	7429-90-5	NIOSH REL TWA 5.0 mg/m³ (Respirable fraction)
	Xylene	1330-20-7	REL TWA: 435.0 mg/m³ (100.0 ppm)
	Xylene	1330-20-7	REL ST: 655 mg/m³ (150 ppm)
Australia	Acetone	67-64-1	TWA: 1185 mg/m³ (500ppm) ; STEL: 2375 mg/m³ (1000ppm)
	Toluene	108-88-3	TWA: 191 mg/m³ (50 ppm) ; STEL: 574 mg/m³ (150 ppm)
	n-Butane	106-97-8	TWA: 1900 mg/m³ (800ppm)
	Calcium Carbonate	1317-65-3	TWA: 10 mg/m³ (Inspirable dust)
	Aluminum flake	7429-90-5	TWA: 10 mg/m³ (metal dust); TWA: 5 mg/m³ (welding fumes as Al); TWA: 5 mg/m³ (Pyro Powders, as Al)
	Xylene	1330-20-7	TWA: 350 mg/m³ (80 ppm) ; STEL: 655 mg/m³ (150 ppm)

Biological limit values:

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.

SECTION 9: Physical and chemical properties

Information on basic 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

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Oxidizing properties	Not determined or not available.

Other information

VOC Content	567.5 g/l / 4.74 lb/gl
VOC content (less exempt solvents)	56.5 %
MIR Value	1.44
Solids Content	21.2%

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.

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: No data available.

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
Mineral Spirits	Group 3 - Not classifiable as to its carcinogenicity to humans

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: No data available.

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.

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Product data:
No data available.

Substance data:

Name	Result
Mineral Spirits	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.

Chronic (long-term) toxicity

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.

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: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

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

Passenger air/rail	75 kg
Cargo aircraft only	150 kg

International Maritime Dangerous Goods (IMDG)

UN number	1950
UN proper shipping name	Aerosols, 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 capacityabove 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

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

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
Passenger and cargo	75 kg
Cargo aircraft only	150 kg
Limited quantity	30 kg G

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

67-64-1	Acetone	Listed
108-88-3	Toluene	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
110-19-0	Isobutyl acetate	Listed
1317-65-3	Calcium Carbonate	Listed

7429-90-5	Aluminum flake	Listed
1330-20-7	Xylene	Listed
64742-47-8	Mineral Spirits	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

67-64-1	Acetone	Not Listed
108-88-3	Toluene	Listed
7429-90-5	Aluminum flake	Listed
1330-20-7	Xylene	Listed

CERCLA:

67-64-1	Acetone	Listed	5,000
108-88-3	Toluene	Listed	1000 lb
110-19-0	Isobutyl acetate	Listed	5,000 lb
1330-20-7	Xylene	Listed	100 lb

RCRA:

67-64-1	Acetone	Listed	U002
108-88-3	Toluene	Listed	U220
1330-20-7	Xylene	Listed	U239

Section 112(r) of the Clean Air Act (CAA):

74-98-6	Propane	Listed
106-97-8	n-Butane	Listed

Massachusetts Right to Know:

67-64-1	Acetone	Listed
108-88-3	Toluene	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
110-19-0	Isobutyl acetate	Listed
1317-65-3	Calcium Carbonate	Listed
7429-90-5	Aluminum flake	Listed
1330-20-7	Xylene	Listed
64742-47-8	Mineral Spirits	Not Listed

New Jersey Right to Know:

108-88-3	Toluene	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
110-19-0	Isobutyl acetate	Not Listed
1317-65-3	Calcium Carbonate	Not Listed
7429-90-5	Aluminum flake	Listed

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1330-20-7	Xylene	Listed
64742-47-8	Mineral Spirits	Not Listed
67-64-1	Acetone	Not Listed

New York Right to Know:

67-64-1	Acetone	Listed
108-88-3	Toluene	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
110-19-0	Isobutyl acetate	Listed
1317-65-3	Calcium Carbonate	Not Listed
7429-90-5	Aluminum flake	Listed
1330-20-7	Xylene	Listed
64742-47-8	Mineral Spirits	Not Listed

Pennsylvania Right to Know:

67-64-1	Acetone	Listed
108-88-3	Toluene	Listed
74-98-6	Propane	Listed
106-97-8	n-Butane	Listed
110-19-0	Isobutyl acetate	Listed
1317-65-3	Calcium Carbonate	Listed
7429-90-5	Aluminum flake	Listed
1330-20-7	Xylene	Listed
64742-47-8	Mineral Spirits	Not Listed

California Proposition 65:

⚠**WARNING**: This product can expose you to Ethyl Benzene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. 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.

NFPA: 2-4-4

HMIS: 2-4-4

Initial preparation date: 10.02.2017

End of Safety Data Sheet