



According to Resolution 801/15 of the Superintendency of Occupational Risks (SRT) and Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

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

### 1.1 Product identifier

Trade name: **Austinite – Austinite T**

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

No further relevant information available.

#### Application of the substance / the mixture:

Open-air mining

Underground mining with good ventilation.

Quarries

Civil work sites

Use in perforations that do not contain water

Use the product only within the framework of existing laws and regulatory approvals.

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

E-Mail: [apa.comercial@austinpowder.com](mailto:apa.comercial@austinpowder.com)

Information Department:

Austin Powder Argentina S.A.- Luis Maggi 770 - Rafaela (Santa Fe) - Phone: + 54 3492 434851 - Fax: + 54 3492 433905 88

### 1.4 Emergency telephone number:

+54 3492 424775 – 0800 666 2282 (CIPET)

## SECTION 2: Hazards identification

### 2.1 Classification of the mixture

Classification according to GHS (Rev.5):

Hazard class	Code	Hazard Category
Expl. 1.5	H205	Division 1.5
Carcinogenicity	H351	2
Eye Irrit. 2	H319	2
Systemic specific toxicity due to repeated exposure	H373	2

### 2.2 Label elements

The product must be labelled according to the established regulations listed in the “Globally Harmonized System of Classification and Labelling of Chemical Products”, according to resolution 801/15 of the Labour Risks Superintendency (SRT).

#### Hazard pictograms:



Signal word: Danger.



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#### Hazard statements:

- H205 Danger of explosion in mass in case of fire.
- H319 It causes serious eye irritation.
- H351 May cause cancer.
- H373 May cause damage to organs after prolonged or repeated exposures

#### Precautionary statements:

- P201 Read instructions before use.
- P202 Do not manipulate before having read and understood all the safety precautions.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke.
- P234 Keep only in the original packaging
- P240 Container and receiving equipment earthing and equipotential link.
- P250 Avoid abrasion/shock/friction/...
- P260 Do not breathe dust/fumes/gas/mist/vapour/spray.
- P264 Wash hands carefully after handling.
- P280 Use gloves/protective clothing/eye and face protection

#### 2.3 Other hazards

In case of fire: Extreme risk of explosion. Evacuate area. **DO NOT** fight fire when fire reaches explosives.

## SECTION 3: Hazards identification

#### 3.1 Substances

Non-applicable

#### 3.2 Chemical characterization: Mixtures

Description: Mixture of the substances listed below with additions of nonhazardous materials.

Name	CAS	GHS classification	Concentration
Ammonium nitrate	6484-52-2	Ox. Sol. 2, H272; Eye Irrit. 2, H319	> 90 %
Aluminium powder	7429-90-5	Pyr. Sol. 1, H250; Water-react. 2, H261	< 10%
Diesel oil	68476-34-6	Flam Liq. 3, H226; Skin Irrit. 2, H315; Asp. Tox. 1, H304; STOT SE 3, H336; Carc.2. H350; Aquatic chronic 2, H411	> 5 %

Additional information: For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information:

Personal protection for the First Aider. Take affected persons out into the fresh air. Take affected persons out of danger area and lay down. Never give anything by mouth to an unconscious person. If you feel unwell, get medical attention, show the label where possible.

##### After inhalation:

Take the person to open air and keep them at rest in a comfortable position for breathing. If impaired breathing, use artificial breathing. Seek medical advice immediately.

##### After skin contact:



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Wash with plenty of water and soap for at least 15 minutes. Take off contaminated clothes and footwear. Wash contaminated clothes before using them again. Seek medical advice

#### After eye contact:

Wash with plenty of water for 15 minutes, maintaining the eyelids open. Seek medical advice immediately.

#### After swallowing/ingestion:

Wash mouth with water. Never offer anything to eat to an unconscious person or if the person has seizures. If the person is conscious, do not induce vomiting. Seek medical care immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

May cause headaches, dizziness and noticeable hypotension. Excessive exposure to nitrates can lead to methemoglobinemia. The ingestion can cause abdominal cyanosis, nausea, collapse, vomiting, abdominal pain, tachycardia, fast breathing, coma and convulsions.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

DO NOT fight fires involving Explosives. There is an extreme risk that explosives involved in a fire may detonate, especially if confined. Evacuate the area in all directions for one (1) kilometer or more away for cover if any amount of explosives is involved in a fire. Evacuation is recommended if the initial (incipient) fire, not involving explosives, becomes intense.

#### 5.1 Extinguishing media

##### Suitable extinguishing agents:

Suitable extinguishing media: do not extinguish fires. Evacuate personnel immediately. Let the fire extinguish by itself.

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

Dangers of unusual fire and explosion: It can explode, especially if exposed to fire or heat when confined and in great amounts. If on fire, it can generate irritating, corrosive and/or toxic gases like carbon oxides and nitrogen oxides (NOx).

#### 5.3 Advice for firefighters

##### Protective equipment

Do not extinguish fires. Use positive pressure self-contained breathing equipment. Firefighter equipment will provide only limited protection.

##### Additional information:

Tire or vehicle fire: use plenty of water and flood the fire. If there is no water available, use CO<sub>2</sub>, dry chemical powder or mud. If the fire is on the charge, do not extinguish it. Evacuate immediately.

## SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate the area and isolate at least 500 meters. Ventilate closed spaces before entering. Avoid all sources of heat, flames, electrostatic discharge. Do not smoke. Avoid all kinds of shock and friction. Do not step on the spilled product

#### 6.2 Environmental precautions

Do not spill in culverts, gutters or drainages.

#### 6.3 Methods and material for containment and cleaning up

Pick up and place the spilled material in suitable cardboard or plastic containers for immediate disposal. The storage place should be well-ventilated and far from flammable or oxidizing products. Do not smoke or initiate fire near the spill area. All the equipment used during the handling of the product must be electrically grounded. Use adequate personal protection equipment.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.



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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Technical measures: Use proper protection, safety clothing and shoes.

Precautions: Protect containers from physical damage.

Recommendations on safe handling: Avoid contact with incompatible materials.

Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Keep away from flames, hot surfaces and sources of ignition. It is prohibited to eat, drink or smoke in the work areas.

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

#### Requirements to be met by storerooms and receptacles:

Store in closed original containers until use, at room temperature and in a dry and well-ventilated place. Keep away from heat, open flames and ignition sources.

#### Information about storage in one common storage facility:

Technical measures: Store away from incompatible materials and substances.

Storage conditions: Do not expose to sunlight.

Incompatible products: Peroxides and chlorates.

Packaging materials: polyethylene and polypropylene bags.

#### Recommended storage temperature

Not available.

## SECTION 8: Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

### 8.1 Control parameters

**Components with limit values that require monitoring at the workplace:**

Chemical name	CAS N°	CMP	CMP-CPT CMP-C	Critical effects	Annotation
Powdered Aluminium metal	7429-90-5	10 mg/m <sup>3</sup>	-	Irritation	-

CMP: Maximum permissible time-weighted concentration

CMP - CPT: Maximum concentration allowable for short periods of time

CMP-C: Maximum permissible concentration - Maximum value

According to Resolution 295/2003, of the Ministry of Labour, Employment and Social Security.

### 8.2 Exposure controls

#### Personal protective equipment:

##### General protective and hygienic measures:

Reduce the number of individuals at the risk area to the minimum

##### Breathing equipment:

Not required under normal conditions.

##### Protection of hands:

Use gloves of appropriate material.

**Material of gloves:** Nitrile rubber, NBR Neoprene gloves

**Eye protection:** Safety glasses.

**Body protection:** Wear waterproof clothing, antistatic protective clothing.



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## SECTION 9: Physical and chemical properties

<b>9.1 Information on basic physical and chemical properties</b>	
<b>General Information</b>	
<b>Appearance:</b>	
Form:	Granulated and solid
Color:	White, yellow or silver
Odor:	Hydrocarbon
pH-value:	Not applicable.
<b>Change in condition</b>	
Boiling point/Boiling range:	Not available
Flash point:	Not available
Flammability (solid, gaseous):	Not available
<b>Ignition temperature:</b>	
Decomposition temperature:	Not available
Self igniting:	Product is not self-igniting.
Danger of explosion:	Risk of explosion. Explosive when mixed with combustible material.
Vapor pressure:	Not applicable.
Density at 20 °C:	0.8 g/cm <sup>3</sup>
Solubility in / Miscibility with Water:	118.3 gr/cm <sup>3</sup> a 0°C
Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
9.2 Other information	No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

It can explode if exposed to fire or heat when confined and in great amounts.

### 10.2 Chemical stability

The product is chemically stable under the recommended conditions of use.

### 10.3 Conditions to avoid:

Avoid: heat, flames, sparks. Shock, friction (explosive hazard)

### 10.4 Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.5 Incompatible materials

Peroxides and chlorates.

### 10.6 Hazardous decomposition products

Gaseous nitrogen oxides and carbon oxides in case of fire.



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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity:**

No data available.

**Primary irritant effect:**

**on the skin:**

Non-irritating

**on the eye:**

Irritating.

**Sensitization:**

No sensitizing effects known.

**Additional toxicological information:**

May cause cancer.

May cause damage to organs after prolonged or repeated exposures.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:**

The individual components of the mix do not make it classify as environmental contaminant.

#### 12.2 Persistence and degradability

Not available

#### 12.3 Bio-accumulative potential

Not available

#### 12.4 Mobility in soil

Not available

#### 12.5 Other adverse effects

Not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**Recommendation**


Dispose material according to local or state regulations, under the direct supervision of qualified personnel. Call Austin Powder for recommendations and assistance. This product can be hazardous under certain conditions and it must be picked, tagged and disposed immediately.

**Uncleaned packaging:**

Recommendations: Incineration



**Austinite – Austinite T**Issue date: 21.09.2020  
Version: 7.0**SECTION 14: Transport information**

· 14.1 UN-Number · ADR, IMDG	UN 0331
· 14.2 UN proper shipping name · ADR · MERCOSUR · IMDG · IATA	UN 0331 EXPLOSIVE, BLASTING, TYPE B UN 0331 EXPLOSIVE, BLASTING, TYPE B UN 0331 EXPLOSIVE, BLASTING, TYPE B Prohibited
· 14.3 Transport hazard class(es) · ADR, IMDG	
	
· Class · Label	1.5 Explosive substances and articles. 1.5
· IATA · Class	1.5 Explosive substances and articles.
· 14.4 Packing group · ADR, IMDG	Void
· 14.5 Environmental hazards · Marine pollutant:	No
· 14.6 Special precautions for user · EMS Number:	Warning: Do not transport with incompatible materials. Do not use flammable materials for stowage of packages. Do not transport with live animals F-B, S-X
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not listed.
· Transport/Additional information:	
· ADR · Tunnel restriction code	1.5D B1000C
· IATA · Remarks:	Air transport ICAO-IATA/DGR Prohibited.
· UN "Model Regulation":	UN 0331 EXPLOSIVE, BLASTING, TYPE B, 1.5D

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Law 19587 Regulatory decree 351/79 and Decree 295/2003

Law 20429 and decree 302/83

Resolution 801/15 of the Superintendency of Occupational Risks (SRT)

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.



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## SECTION 16: Other information

Liability about information is not warranted although information is given to our best knowledge

### Relevant phrases

H205	Danger of explosion in mass in case of fire.
H226	Liquid and flammable vapours.
H228	Flammable strong.
H261	In contact with water releases flammable gases.
H272	May intensify a fire; combustion agent.
H315	It causes skin irritation.
H319	It causes serious eye irritation.
H332	Harmful if inhaled.
H351	May cause damage to organs after prolonged or repeated exposures.
H373	May cause cancer.
H411	Toxic for aquatic organisms, with lasting adverse effects.

### Recommended restriction of use

Handling of explosives is permitted only to persons with the appropriate permission.

### References and acronyms

IMDG Code: International Maritime Code for dangerous goods transportation.  
IATA-DGR: Association of International Air Transport - Regulations on Dangerous Goods.  
MERCOSUR: Southern Common Market - Agreement on Transport of Dangerous Goods.  
ADR: European Agreement concerning the international transport of dangerous goods by road

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