

Revision No:006 MARCH 2022  1. PRODUCT AND COMPANY IDENTIFICATION Product Name Chemical Symbal CAS No EINECS No Supplier Name and Address  The Arasan Aluminium Industries (P) Ltd. 102 A Chairman A Shanmugam Road SIVAKASI 62612 Tamil NaduIndia. Phone -04562 230916,9442171616,7867000916,917 Email – info@arasanaluminium.com Web – www.arasanaluminium.com  Trade name  RP				
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2. COMPOSITION /INFORMATION ON INGREDIENTS				
NAME CAS No UN NO				
Aluminium 7429-90-5 1309				
3.HAZARDS IDENTIFICATION				
Human health - No data available - No data available				
Physical				
If suspended in air (dust cloud), fine powder can be ignited in the presence of an ignition source cloud pose an explosion risk in a confirmed environment	and			
Chemical				



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## 4. FIRST AID MEASURES

Inhalation: No known health risk – treat as nuisance dust

Skin contact: wash off with plenty of water

Eye contact: rinse eye with running water, obtain medical attention if symptoms persist

Ingestion: rinse out mouth and then drink copious amount of water. Do not induce vomiting. Obtain medical attention.

## 5. FIRE FIGHTING MEASURES

## Suitable extinguishing Agents

> Gently smother burning material with dry sand

Unsuitable extinguishing Agents.

- Carbon dioxide
- > Foam
- > Dry chemical powder
- ➤ Halogenated Hydro carbon fire extinguisher

Special hazards caused by the substance, its products of combustion or resulting gases

- > Dust can combine with air to form an explosive mixture
- Contact with water releases flammable gas (hydrogen)

### **6.ACCIDENTAL RELEASE MEASURES**

## Personal precautions

- Avoid formation of dust clouds
- Keep away ignition sources

## Environmental protection

Do not allow product to enter sewage system or water course (possible reaction releasing hydrogen)



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## Measures for cleaning/collection spillage:

- > Clean the material using non sparking tools (eg.Natural fiber brown). Avoid formation of dust clouds.
- Do not flush with water

## 7. HANDLING AND STORAGE

## Handling

- Avoid generation of dust clouds
- Avoid source of sparks or other source of ignition
- Protect against static electricity
- ➤ Use suitable explosion proof equipment and spark –proof tools
- Keep work area clean
- Avoid accidental contact with reactive materials- acid or chemicals-oxidiser etc
- Use non sparkling tools

## Storage

- Store in the supplied container until used.
- > Keep in closed dry room or store
- > The area should be suitably marked to indicate the presence of an ignitable dust
- Avoid sparks or other source of ignition
- Keep area clean and avoid spillage
- Do not store with reactive materials

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure limits**

### Work place

Long-term exposure (TLV) – 8 hrs TWA – 10 mg/m<sup>3</sup>

## Exposure controls

### Respiratory protection

A suitable face mask is recommended if regular exposure is un avowable .if work place concentration requires the use of respiratory protection – use filter types

## Eye protection

Not normally required. Irritation may occurs as with any dust entering the eye – wash out immediately if it occurs.

## Skin contact

Wash of with plenty of water – remove the contaminated clothing



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9. PHYSICAL AND CHEMICAL PROPERITY						
Physical state						
Form	: Flakey particle					
Color	: Grey					
Odour	: odour less					
P.H	: NA					
Boling temperature	: 2467°C					
Melting temperature	: 660 °C					
Flash Point	: NA					
Auto Flammability	: Product is not self igniting					
Explosive prosperity : Fine Aluminium powder may be explosive if disperse into						
a dust cloud in air in the presence of a source of ignition.						
	Lower explosive limit (LEL) – 400	gm/m <sup>3</sup>				
Minimum I gnition tempt : Cloud 610°C						
3	Layer 320°C					
Oxidizing properties	: Will react exothermically if mixed with a strong oxidizing					
	Substance and liquid					
Real density	: 2.7 gm/cm <sup>3</sup>			· · · · · · · · · · · · · · · · · · ·		
Solubility	: insoluble in water and organic solvent					
10.STABILITY AND REACT	TVITY					
Stability						
Stable when dry. No decomp	osition					
Reactivity						
May react with acids or oxidizing agents or halogenated hydrocarbons						
Drolonged contact with water can cause a reaction releasing bydrogen ass						
Prolonged contact with water can cause a reaction releasing hydrogen gas.  11.TOXICOLOGICAL INFORMATION						
Acute Toxicity	100,011014					
No data available						
Chromic toxicity						
No chromic effects known						
TLV – 10mg/m³ (General dus	t limit)					



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12.ECOLOGICAL INFORMA	ATION			
Mobility / Degradability				
Will convert to Alumin	ium oxide (alu	mina) during	prolonged of	contact with water
Ecotoxicity				
Aluminium powder is				
Generally not hazardo				
13. DISPOSAL CONSIDER	ITONS			
Waste:				
Dispose of in line with region		-		
Avoid product entering water		system		
14.TRANSPORT INFORMA			0 11	
Transport over land ADR/RID class		- 4.1		chnical name: aluminium
Transport oversea IMDG class	- 4.1	Powder. c		
Transport over ICAO/IATA cla	- 4.1	UN No – 1		
Packing group 15.REGULATORY INFORM	ATION	-	Ems No –	F-G, S-G
Label: classification -4.1 Fla				
Laber: Classification -4.1 Fla	IIIIable solius			
Risks				
Risk Phrase -10,15	R-10- Flai	mmahle		
KISK I III d3C T0, T3	R-15-contect with water librates extremely flammable gas			
	10 00110	oot with wat	or morates er	arionaly naminable gas
Safety				
Safety phrase -7/8,43.6	S-7/8-keep container tightly closed and dry			
S-43.6-in case of fire use sand –NEVER use water				
16. OTHER INFORMATION				

The information on this data sheet represents our current data to proper use in handling of this product under normal conditions, and only as a safety guideline, not as a product specification. No warranty, either expressed or implied, is hereby made. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.