

Revision No:006					
MARCH 2022	MATERIAL SAFTY DATA SHEET MSDS No:002				
1. PRODUCT AND COMPAN	⊥ NY IDENTIFICATION				
Product Name Chemical Symbal CAS No EINECS No	Aluminium powder(coated) Al 7429-90-5 231-072-3				
Supplier Name and Address	The Arasan Aluminium Industries (P) Ltd. 102 A Chairman A Shanmugam Road SIVAKASI 626123 Tamil NaduIndia. Phone -04562 230916,9442171616,7867000916,917 Email – info@arasanaluminium.com Web – www.arasanaluminium.com				
Trade name	ARASAN 3				
	MATION ON INGREDIENTS				
NAME Aluminium	CAS No UN NO 7429-90-5 1309				
3.HAZARDS IDENTIFICAT					
5.11/12/11/D5 TDEINTITTO/(T	1011				
Human hoalth	No data available				
	<ul><li>No data available</li><li>No data available</li></ul>				
Environment Physical	- No data available fine powder can be ignited in the presence of	an ignition source and			
Environment  Physical  If suspended in air (dust cloud),	- No data available fine powder can be ignited in the presence of	an ignition source and			



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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 : Solid					
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 presen	<u>o</u>			
	Lower explosive limit (LEL) – 400	gm/m³			
Minimum Ignition tempt	: Cloud 610°C				
3	Layer 320°C				
Oxidizing properties	: Will react exothermically if mixed	d 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					
Prolonged contact with water	can cause a reaction releasing hydrog	non das			
11.TOXICOLOGICAL INFO		geri gas.			
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		- 4.1		chnical name: aluminium	
Transport oversea IMDG class		- 4.1	Powder. c		
Transport over ICAO/IATA class - 4.1 UN No – 1309 Packing group Ems No – F-G, S-G					
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				
3,	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.