

	MATERIAL SAFT	Y DATA SHEE	T MSDS No:002		
MARCH 2022					
	IPANY IDENTIFICATION				
Product Name	•	Aluminium paste (Mixture of Aluminium powder coated and Diethylene glycol)			
Chemical Symbol	3 3 .	i Ethylene glyc	nl		
CAS No	7429-90-5	111-46-6	<u> </u>		
EINECS No	231-072-3	203-872-2			
Supplier Name and Address	The Arasan Alumir 102 Chairman A.Shai Tamil Nadu, India. Phone - 7867000916 Email – info@arasana Web – www.arasana	nmugam Road. 7867000917, 9 aluminium.com	Sivakasi-626 123 9442171616		
Trade name	DG 100				
2. COMPOSITION /INF	FORMATION ON INGREE	DIENTS			
NAME	CAS No	UN NO	COMPOSITION (%)		
NAME Aluminium	CAS No 7429-90-5		80		
NAME Aluminium Diethylene glycol	CAS No 7429-90-5 111-46-6	UN NO			
NAME Aluminium Diethylene glycol 3.HAZARDS DENTIFIC	CAS No 7429-90-5 111-46-6 ATION	UN NO	80		
NAME Aluminium Diethylene glycol 3.HAZARDS DENTIFIC Human health	CAS No 7429-90-5 111-46-6	UN NO	80		
NAME Aluminium Diethylene glycol	CAS No 7429-90-5 111-46-6 ATION - No data available	UN NO	80		
NAME Aluminium Diethylene glycol 3.HAZARDS DENTIFIC Human health Environment Physical If suspended in air (dust clo	CAS No 7429-90-5 111-46-6 ATION - No data available	UN NO 1309 	80 20		
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4. FIRST AID MEASURES

Inhalation: Harmful

Skin contact: wash off with plenty of water- Remove the contaminated clothing

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.
- Use foam or carbon-di-oxide cylinder.

Unsuitable extinguishing Agents.

- Water.
- 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

6.ACCIDENTAL RELEASE MEASURES

Personal precautions

- Keep away ignition sources.
- Avoid inhalation of solvent vapors in all circumstances.

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.
- If dry, stored in closed drums in dry condition
- ➤ If wet, stored in open topped container in an area with good ventilation and free from ignition sources.

7. HANDLING AND STORAGE

Handling

- Avoid formation of evaporation of solvent and dust clouds
- ➤ Avoid source of sparks or other source of ignition
- Protect against static electricity
- > Use suitable explosion proof equipment and spark proof tools as well as solvent resistant equipment
- > close containers carefully after use
- Avoid accidental contact with reactive materials- acid or chemicals-oxidiser etc
- ➤ Use non sparkling tools

Storage

- > Store in the supplied container until used
- ➤ If the drums are in open condition, volatile Mater will be evaporated and the properties of the Material will be changed.
- > The area should be suitably marked to indicate the presence of an ignitable dust
- Avoid sparks or other source of ignition
- keep container tightly closed
- Do not store with reactive materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Work place

Long-term exposure (TLV) – 8 hrs TWA – 5 mg/m³

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	: Semi Solid					
Form	: Paste					
Color	: Silvery paste					
Odour	: solvent smell					
P.H	: NA					
Boling temperature	: 2467°C (Aluminium) 245°C (Di	ethylene glycol)				
Melting temperature	: 660 °C (Aluminium) -10.5 °C (D	i ethylene glycol)				
Flash Point	: 124° C (Di	i ethylene glycol)				
Auto Temperature	: 229°C (Di	ethylene glycol)				
Auto Flammability	: Product is not self igniting					
Explosive prosperity	: 40gm/m³					
Minimum Ignition tempt	: No data available					
Oxidizing properties	: Will react exothermically if mixed Substance and liquid	d with a strong oxidizing				
Real density	: 2.7 gm/cm ³ (Aluminium) 1.12 g	/cm³ (Di ethylene glycol)				
Solubility	: insoluble in water Soluble in	water(Di ethylene glycol)				
10.STABILITY AND REACT	IVITY					
Stability						
Stable when dry. No decompo	osition					
Reactivity						
May react with acids or oxidizing agents or halogenated hydrocarbons						
.11.TOXICOLOGICAL INFO	DRMATION					
Acute Toxicity	7. (17. (1. (1. (1. (1. (1. (1. (1. (1. (1. (1					
No data available						
Chromic toxicity						
No chromic effects known						
TLV – 5 mg/m ³						



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12.ECOLOGICAL INFORMA	TION				
Mobility /Degradability					
Will convert to Alumin	um oxide (alur	mina) during	prolonged of	contact with water	
Ecotoxicity					
Aluminium powder is r					
> Generally not hazardo					
13. DISPOSAL CONSIDER	TONS				
Waste					
Dispose of in line with regiona		-			
Avoid product entering water		system			
14.TRANSPORT INFORMA			Correct to	abbical pages.	
Transport over land ADR/RID class - 4.1 Correct technical name:					
Transport oversea IMDG class - 4.1 Flammable solid, organic N.O.S					
Transport over ICAO/IATA class - 4.1 (Aluminium paste)UN No – 1325 Packing group - II Em S. No – F-G, S-G					
Packing group 15.REGULATORY INFORM	ATION	-	LIII J. NO	_ 1 -0, 3-0	
Label: classification -4.1 Flai					
Edber : diassination 1.1 Flai	minable solids				
Risks					
Risk Phrase -10,22	R-10- Flam	ımable			
R-22- Harmfull if swallowed					
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.