



The Arasan Aluminium Industries (P) Ltd.

Revision No:007 MARCH 2022	MATERIAL SAFTY DATA SHEET	MSDS No:002	
1. PRODUCT AND COMPANY IDENTIFICATION			
Product Name	Aluminium paste (Mixture of Aluminium powder coated and Diethylene glycol)		
Chemical Symbol	Al	Di Ethylene glycol	
CAS No	7429-90-5	111-46-6	
EINECS No	231-072-3	203-872-2	
Supplier Name and Address	The Arasan Aluminium Industries (P) Ltd. 102 Chairman A.Shanmugam Road.Sivakasi-626 123 Tamil Nadu, India. Phone - 7867000916 7867000917, 9442171616 Email – info@arasanaluminium.com Web – www.arasanaluminium.com		
Trade name	DG 100		
2. COMPOSITION /INFORMATION ON INGREDIENTS			
NAME	CAS No	UN NO	COMPOSITION (%)
Aluminium	7429-90-5	1309	80
Diethylene glycol	111-46-6	--	20
3.HAZARDS DENTIFICATION			
Human health	- No data available		
Environment	- No data available		
Physical	If suspended in air (dust cloud), fine powder can be ignited in yhe presence of an ignition source and cloud pose an explosion risk in a confirmed environment		
Chemical	Will react with oxidizing agent or acids or alkalis, causing heat and hydrogen release- Fire and explosion risk Can react violently with halogenated hydrocarbons Explosion risk		



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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		
<ul style="list-style-type: none">➤ Gently smother burning material with dry sand.➤ Use foam or carbon-di-oxide cylinder.		
Unsuitable extinguishing Agents.		
<ul style="list-style-type: none">➤ Water.➤ Halogenated Hydro carbon fire extinguisher.		
Special hazards caused by the substance, its products of combustion or resulting gases		
<ul style="list-style-type: none">➤ Dust can combine with air to form an explosive mixture		
6.ACCIDENTAL RELEASE MEASURES		
Personal precautions		
<ul style="list-style-type: none">➤ 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: <ul style="list-style-type: none">➤ 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 <ul style="list-style-type: none">➤ 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 sparking tools Storage <ul style="list-style-type: none">➤ 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/m ³ 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 (Di ethylene glycol)		
Flash Point : -- 124 ° C (Di ethylene glycol)		
Auto Temperature : -- 229 °C (Di ethylene glycol)		
Auto Flammability : Product is not self igniting		
Explosive prosperity : 40gm/m ³		
Minimum Ignition tempt : No data available		
Oxidizing properties : Will react exothermically if mixed with a strong oxidizing Substance and liquid		
Real density : 2.7 gm/cm ³ (Aluminium) 1.12 g/cm ³ (Di ethylene glycol)		
Solubility : insoluble in water Soluble in water(Di ethylene glycol)		
10.STABILITY AND REACTIVITY		
Stability Stable when dry. No decomposition		
Reactivity May react with acids or oxidizing agents or halogenated hydrocarbons		
. 11.TOXICOLOGICAL INFORMATION		
Acute Toxicity No data available		
Chromic toxicity No chromic effects known		
TLV – 5 mg/m ³		

