



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 Chemical Symbol	Aluminium paste (Mixture of Aluminium powder coated and Mineral Turpentine Oil) AL MTO STEARIC ACID		
CAS No	7429-90-5	64742-81-0	57-11-14
EINECS No	231-072-3	265-184-9	200-313-4
Supplier Name and Address	The Arasan Aluminium Industries (P) Ltd. 102A Chairman A.Shunmugam I Road.Sivakasi-626 123 Tamil Nadu.India. Phone -04562 230916 Fax – 04562 289844. Email – info@arasanaluminium.com Web – www.arasanaluminium.com		
Trade name	12 L		
2. COMPOSITION /INFORMATION ON INGREDIENTS			
NAME	CAS No	UN NO	COMPOSITION
Aluminium Powder (Stabilized)	7429-90-5	1309	63 - 70%
Mineral Turpentine oil	64742-81-0	1223	30 – 40%
Stearic Acid	57- 11-4	----	2 – 5%
3.HAZARDS IDENTIFICATION			
Physical Appearance : Solid (Solid Paste)			
Emergency overview: Danger Not Available			
Potential Acute Health Effects EYES: Not Available SKIN: Irritation of the product in case of Skin contact: Not available, sensitization of the product: Not available INHALATION: Not Available INGESTION: Not Available			
Potential Chronic Health Effects CARCINOGENIC EFFECTS : Not Available MUTAGENIC EFFECTS : Not Available TERATOGENIC EFFECTS: Not Available			
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4. FIRST AID MEASURES		
Inhalation: If inhaled, remove to fresh air, If not breathing, give artificial repiration, if breathing is difficult give oxygen. Get Medical attention Skin contact: Incase of Contact, immediately flush skin with plenty of water. Reomove contaminated clothing and shoes, wash before reuse. Get medical Attention Eye contact: Immediately rinse eye with running water for at least 15 Minutes, Get Medical attention Ingestion: Get Medical attention		
5. FIRE FIGHTING MEASURES		
Flammability of the product : Flammable Flash point : 35°C Flammable limit : Not Available Products of combustion : Not Available Fire Hazards in presence of various substance : Flammable in presence of open flames and sparks of heat Fire Fighting Media and Instruction : Flammable solid , Use dry sand as extinguisher in case of small fire Protect Clothing Fire : Be sure to use an approved / certified respirator or equivalent		
6.ACCIDENTAL RELEASE MEASURES		
Personal precautions Avoid formation of dust clouds 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: Small spill and leak : Use appropriate tools to put the spilled solid in a convenient waste disposal container Large spill and leak: Stop Leak if without risk, Do not get water inside container. Cover with dry earth, sand or other non combustible material, prevent entry in to sewers. Eliminate all ignition sources			
7. HANDLING AND STORAGE			
Handling <ul style="list-style-type: none">➤ 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 sparking tools			
Storage <ul style="list-style-type: none">➤ Keep the Material in the container Always air tight➤ 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 area clean and avoid spillage➤ Do not store with reactive materials			
8. EXPOSURE CONTROLS/PERSONAL PROTECTION			
Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operation generate dust, fume or mist, use ventilation to keep exposure to airborne contaminates below the exposure limit.			
Personal Protection EYES : Safety Glasses			
Body: Lab Coat			
Respiratory : Dust respirator (Be sure to use an approved / certified respirator or equivalent)			
Wear appropriate respirator when ventilation is adequate Hands Gloves (impervious). Feet Not applicable.			
Protective clothing (pictograms)			
Exposure limits			
Aluminium powder Stabilized	OSHA – 10 mg/m ³ , ACIGH 15 mg/m ³		
Stearic Acid	Not available		
Mineral Turpentine oil	LD 50: 4000 mg /Kg (rabbit)		



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9. PHYSICAL AND CHEMICAL PROPERITY		
Physical state	: Solid	
Form	: Solid Paste	
Color	: Silver white	
Odour	: Solvent smell	
P.H	: NA	
Boling temperature	: 2467 °C (Aluminium) 145 °C-205 °C (MTO)	
Melting temperature	: 660 °C (Aluminium) 65°C based on data for stearic acid	
Flash Point	: 35 °C	
Auto Flammability	: 252 °C (MTO)	
Explosive prosperity	: No data available	
Oxidizing properties	: Will react exothermically if mixed with a strong oxidizing Substance and liquid	
Real density	: 1.4-1.6gm/cm ³	
Solubility	: insoluble in water	
Dispersion property	: dispersible in Naptha, Xylene, Toulene and Mineral Turpentine Oil	
10.STABILITY AND REACTIVITY		
Stability	Stable at room temperature	
Reactivity	May react with acids or oxidizing agents or halogenated hydrocarbons, slightly reactive with Reducing agents, Moisture	
	Prolonged contact with water can cause a reaction releasing hydrogen gas.	
11.TOXICOLOGICAL INFORMATION		
Toxicity	LD 50: 4000 mg/m ³ (Mineral Turpentine oil) LC :50 No Data Available	
Chronic toxicity	No chromic effects known	



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12. ECOLOGICAL INFORMATION		
Mobility possibly hazardous short term degradation products are not likely. However, long term degradation products may arise BOD and COD Not Available Ecotoxicity Not Available Toxicity of the products of bio degradation: Not available		
13. DISPOSAL CONSIDERATIONS		
Waste information Waste Must be disposed of in accordance with regional or national regulations.		
14. TRANSPORT INFORMATION		
Transport over land ADR/RID class	- 4.1	Correct technical name: Flammable solid organic N.O.S (Aluminium paste) UN No.1325 Ems.No.F-G.S-G
Transport over sea IMDG class	- 4.1	
Transport over ICAO/IATA class	- 4.1	
Packing group	- II	
15. REGULATORY INFORMATION		
Label : UN classification -4.1 Flammable solids		
Risks		
Risk Phrase -10,15	R-10- Flammable	
	R-15-contact with water liberates extremely flammable 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.		