



The Arasan Aluminium Industries (P) Ltd.

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| 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 | 30 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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| <p>Measures for cleaning/collection spillage:</p> <p>Small spill and leak : Use appropriate tools to put the spilled solid in a convenient waste disposal container</p> <p>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</p> | | | |
| 7. HANDLING AND STORAGE | | | |
| <p>Handling</p> <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 <p>Storage</p> <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 | | | |
| <p>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.</p> <p>Personal Protection EYES : Safety Glasses</p> <p>Body: Lab Coat</p> <p>Respiratory : Dust respirator (Be sure to use an approved / certified respirator or equivalent)</p> <p>Wear appropriate respirator when ventilation is adequate Hands Gloves (impervious). Feet Not applicable.</p> | | | |
| 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. | | |