

MATERIAL SAFETY DATA SHEET
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INTEGRAL SYSTEMS INC.

PAGE 62

SECTION I - IDENTIFICATION		SECTION II - CHEMICAL CHARACTERISTICS		SECTION III - REACTIVITY DATA		SECTION IV - SPECIAL PRECAUTIONS OR LEAK PROCEDURES		SECTION V - HEALTH HAZARD DATA		SECTION VI - SPECIAL PROTECTION INFORMATION		SECTION VII - SPECIAL PRECAUTIONS	
Product Name: AL	99.41	Stability: Stable	Hazardous Polymerization:	Will Not Occur	Precautions To Be Taken In Handling And Storing: Use Adequate Ventilation so as to Avoid Exceeding "TLV"	Other Precautions: Not Applicable	THIS IS ESSENTIALLY SIMILAR TO FORM OSHA 20	Flash Point: Not Applicable	Flammability Limits: Not Applicable	Steps To Be Taken If Material Is Released Or Spilled: This Material Is Inert and May Be Handled by Ordinary Means Such as: Broom, Shovel, Vacuum Cleaner, etc	Waste Disposal Method: Dispose of in Accordance with Federal, State and Local Regulations	Respiratory Protection: In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended	
Chemical Family: Oxides	TiO ₂	ribil	Conditions To Avoid: Not Applicable	Unusual Fire & Explosion Hazards: Not Applicable	Special Fire Fighting Procedure: Not Applicable	Emergency First Aid Procedure: Not Applicable	NOTE: THIS MATERIAL IS A NON-TOXIC NUSSANCE DUST	Boiling Point: 6000 °F	Threshold Limit Value: 10 mg/m ³ as Total Dust	Effects Of Over Exposure: Not Applicable	Emergency First Aid Procedure: Not Applicable	Respiratory Protection: In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended	
Chemical Name: Fused Aluminum Oxide - White	SiO ₂	0.07	Incompatibility (Materials To Avoid): None	Procedures: Not Applicable	Water Solubility: Not Applicable	Other Precautions: Not Applicable	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Volatiles (% by wt): Not Applicable	mg/m ³ , as Total Dust	Effects Of Over Exposure: Not Applicable	Emergency First Aid Procedure: Not Applicable	Respiratory Protection: In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended	
Chemical Formula: Al ₂ O ₃	Fe ₂ O ₃	0.09	Hazardous Decomposition Products: Not Applicable	Other Solubility: Not Applicable	Other Precautions: Not Applicable	Other Precautions: Not Applicable	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Crystalline Particles: No	mg/m ³ , as Total Dust	Effects Of Over Exposure: Not Applicable	Emergency First Aid Procedure: Not Applicable	Respiratory Protection: In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended	
Manufacturers Name: Enusa Seraf de Eletronácia Ltda	MgO	0.03	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Other Solubility: Not Applicable	Other Precautions: Not Applicable	Other Precautions: Not Applicable	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Specific Gravity (H ₂ O=1): 4.0 g/cm ³	mg/m ³ , as Total Dust	Effects Of Over Exposure: Not Applicable	Emergency First Aid Procedure: Not Applicable	Respiratory Protection: In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended	
Factory Address: São José da Boa Vista - São Paulo - Brazil	CaO	0.06	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Other Solubility: Not Applicable	Other Precautions: Not Applicable	Other Precautions: Not Applicable	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Water Solubility: Not Applicable	mg/m ³ , as Total Dust	Effects Of Over Exposure: Not Applicable	Emergency First Aid Procedure: Not Applicable	Respiratory Protection: In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended	
USA Office: 680 Steel St. Aliquippa, PA 15001	K ₂ O	0.02	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Other Solubility: Not Applicable	Other Precautions: Not Applicable	Other Precautions: Not Applicable	Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um	Boiling Point: 6000 °F	mg/m ³ , as Total Dust	Effects Of Over Exposure: Not Applicable	Emergency First Aid Procedure: Not Applicable	Respiratory Protection: In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended	

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Product Name: Aluminum Oxide 25 um, 50-60 um and 110 um