ETHYLALUMINUM SESQUICHLORIDE

CAUTIONARY RESPONSE INFORMATION Common Synonyms EASC IGNITES WHEN EXPOSED TO AIR. Reacts violently with water. Poisonous and flammable gases are produced on contact with water. Execute	4.1 Fla
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	4.2 Fla 4.3 Fire sa
Evacuate. Keep people away. Avoid inhalation. Shut off ignition sources and call fire department. Wear goggles, self-contained breathing apparatus, and rubber overclothing (including gloves). Notify local health and pollution control agencies. Protect water intakes.	4.4 Fire U ha 4.5 Spo P m ct 4.6 Bel
Fire IGNITES WHEN EXPOSED TO AIR. If in water, let fire burn. If not in water, extinguish with dry graphite, soda ash, or other inert powder. DO NOT USE WATER, FOAM, CARBON DIOXIDE, DRY CHEMICALS OR VAPORIZING LIQUIDS ON FIRE. DO NOT USE WATER ON ADJACENT FIRES.	4.7 Aut 4.7 Aut 4.8 Ele 4.9 Bu 4.10 Ad
Exposure Call for medical aid. VAPOR Irritating to eyes, nose and throat. Harmful I inhaled. Move victim to fresh air. If breathing is difficult, give oxygen. ICUID UIUD Will burn skin and eyes. Harmful if waallowed. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. or mik. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or mik. DO NOT INDUCE VOMITING.	4.11 Stoicl (cale 4.12 Flam avail 4.13 Comt 4.13 Comt 4.14 Minin Com 5.1 React form flam 5.2 React React Reac hydr com
Water Pollution Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.	5.3 Sta 5.4 Net C bi 5.5 Pol
 CORRECTIVE RESPONSE ACTIONS Stop discharge Chemical and Physical Treatment: Neutralize Do not add water to undissolved material CG Compatibility Group: Not listed. Formula: (CH4)AGCH MOUN Designation: 4.2/1925 MOUN Designation: 4.2/1925 MOTO No: Not listed SCAS Registry No.: Currently not available MEATH HAZARDS Teratment of Exposure: InHALATION: only fumes from fire need be considered; metal- tion of severe burns of eyes and skin. Treatment of Exposure: INHALATION: only fumes from fire causes metal-hume fever (flu-like symptoms); acid fumes irritate nose and throat. Contact with liquid, which is spontaneously flammable, causes severe burns of eyes and skin. Treatment of Exposure: INHALATION: only fumes from fire need be considered; metal-fume fever is not critical and lasts less than 36 hrs: irritation of nose and throat by acid vapors may require treatment by a physician. EVES: Tubsi gently with water for 5 min; treat burns if fire occurred; get medical attention. SKIN: wash with water; treat burns caused by fire; get medical attention. TUX-STEL: Not listed. Toxicity by Ingestion: Currently not available Toxicity by Ingestion: Currently not available Oronic Toxicity: Metal-fume fever may develop after breathing smoke from fire. Otor Toxicity by Ingestion: Currently not available Soricity by Ingestion: Currently not available Soricity by Ingestion: Currently not available Oso Hardet Characteristics: Currently not available Soricity by Ingestion: Currently not a	6.1 Aq Cu 6.2 Wa a 6.3 Bio 6.4 For N 6.5 GE

4. FIRE HAZARDS	7. SHIPPING INFORMATION
4.1 Flash Point: Not pertinent (ignites spontaneously)	7.1 Grades of Purity: Pure (neat); 25% or less by weight in benzene, hexane, or heptane.
4.2 Flammable Limits in Air: Not pertinent	Solutions are not pyrophoric.
4.3 Fire Extinguishing Agents: Inert dry powders such as dry graphite, soda ash,	7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: Inerted; dry nitrogen at 5
sand or limestone	psig.
 Fire Extinguishing Agents Not to Be Used: Water, foam, dry chemicals, 	7.4 Venting: Safety relief with rupture disc.
halogenated agents, or carbon dioxide	7.5 IMO Pollution Category: Currently not available
4.5 Special Hazards of Combustion Products: Intense smoke may cause	7.6 Ship Type: Currently not available7.7 Barge Hull Type: Currently not available
metal-fume fever. Irritating hydrogen	7.7 Darge fruit Type. Currently flot available
chloride also formed.	8. HAZARD CLASSIFICATIONS
4.6 Behavior in Fire: Contact with water from adjacent fires will cause formation of	8.1 49 CFR Category: Not listed.
irritating smoke containing aluminum oxide and hydrogen chloride.	8.2 49 CFR Class: Not pertinent.
4.7 Auto Ignition Temperature: Not pertinent	8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No
4.8 Electrical Hazards: Not pertinent	8.5 NFPA Hazard Classification:
 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature: Currently 	
not available	Health Hazard (Blue)
4.11 Stoichometric Air to Fuel Ratio: 57.1	Flammability (Red)
(calc.) 4.12 Flame Temperature: Currently not	Instability (Yellow) 3 Special (White) ₩
available	8.6 EPA Reportable Quantity: Not listed.
4.13 Combustion Molar Ratio (Reactant to Product): 17.0 (calc.)	8.7 EPA Pollution Category: Not listed.
4.14 Minimum Oxygen Concentration for	8.8 RCRA Waste Number: Not listed
Combustion (MOCC): Not listed	8.9 EPA FWPCA List: Not listed
5. CHEMICAL REACTIVITY	9. PHYSICAL & CHEMICAL
5.1 Reactivity with Water: Reacts violently to	PROPERTIES
form hydrogen chloride fumes and	9.1 Physical State at 15° C and 1 atm: Liquid
flammable ethane gas. 5.2 Reactivity with Common Materials:	9.2 Molecular Weight: 247.5
Reacts with surface moisture to generate	9.3 Boiling Point at 1 atm: 399°F = 204°C =
hydrogen chloride, which is corrosive to common metals.	477°K
5.3 Stability During Transport: Stable	 9.4 Freezing Point: −4°F = −20°C = 253°K 9.5 Critical Temperature: Not pertinent
5.4 Neutralizing Agents for Acids and	9.6 Critical Pressure: Not pertinent
Caustics: Rinse with sodium bicarbonate or lime solution.	9.7 Specific Gravity: 1.092 at 25°C (liquid)
5.5 Polymerization: Not pertinent	9.8 Liquid Surface Tension: (est.) 32 dynes/cm
5.6 Inhibitor of Polymerization: Not pertinent	= 0.032 N/m at 20°C 9.9 Liquid Water Interfacial Tension: Not
6. WATER POLLUTION	pertinent
6.1 Aquatic Toxicity:	9.10 Vapor (Gas) Specific Gravity: Not pertinent
Currently not available	9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
6.2 Waterfowl Toxicity: Currently not available	9.12 Latent Heat of Vaporization: Not pertinent
6.3 Biological Oxygen Demand (BOD): None	9.13 Heat of Combustion: (est.) -8,600 Btu/lb =
6.4 Food Chain Concentration Potential:	-4,800 cal/g = -200 X 10 ⁵ J/kg 9.14 Heat of Decomposition: Not pertinent
None 6.5 GESAMP Hazard Profile: Not listed	9.15 Heat of Solution: Currently not available
	9.16 Heat of Polymerization: Not pertinent
	9.17 Heat of Fusion: Currently not available
	9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not
	available
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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190	69.799 63.349 68.900 68.450 68.000 67.549 67.099 66.650 66.190 65.740 65.290 64.339 64.339 64.339 63.940 63.040	34 36 38 40 42 44 48 50 52 54 56 56 56 56 60 62 64 66 68 60 62 64 66 82 70 72 74 76 78 80 82 84	0.441 0.442 0.443 0.444 0.447 0.446 0.447 0.448 0.449 0.450 0.451 0.452 0.453 0.454 0.456 0.457 0.458 0.459 0.461 0.461 0.462 0.463 0.466 0.466 0.468 0.469	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	1.048 1.048	55 60 65 70 75 80 90 95 100 105 110 110 115 120 125 130 135 140 145 155	2.327 2.204 2.089 1.982 1.883 1.790 1.704 1.623 1.547 1.476 1.409 1.347 1.288 1.233 1.181 1.132 1.086 1.043 1.001 0.963 0.926

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	R E A C T S	130 140 150 160 170 180 200 210 220 230 240 250 260 270 280 290 300 310 320 330 310 320 330 350	0.070 0.093 0.122 0.158 0.204 0.204 0.332 0.419 0.524 0.653 0.807 0.891 1.211 1.471 1.778 2.138 2.558 3.045 3.610 4.260 5.007 5.861 6.833	130 140 150 160 170 180 200 210 220 230 240 250 260 270 280 290 300 310 320 330 310 320 330 350	0.00274 0.00356 0.00460 0.00589 0.00748 0.00942 0.01179 0.01464 0.02214 0.02214 0.02267 0.03935 0.04714 0.05619 0.05664 0.07866 0.07866 0.09243 0.10810 0.14620 0.14620		N O T E R T I N E N T