



Fort Bend Services
13303 Redfish Lane
Stafford, TX 77477

FBS DJ 104 /-380

REC. 1-24-01

Phone (281) 261.5199
(800) 933.3678

Chemtrec 24 Hour (800) 424.9300

Material Safety Data Sheet

FOR: High School

Section 1. Identification Product Name: FBS DJ 104		Section 7. Accidental Release Measures Isolate all non-essential personnel from spill area. Wear appropriate protective clothing. Ventilate area. Contain spill with inert material. Collect all contaminated material into chemical waste containers. Keep dust to a minimum. Small spills can be neutralized with calcium oxide. Dispose of material in accordance with local, state and federal regulations (40 CFR 268).																			
Trade/Chemical: Proprietary blend, aqueous solution of organic and inorganic materials.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Health</td><td style="text-align: center;">3</td></tr> <tr><td>Flammability</td><td style="text-align: center;">0</td></tr> <tr><td>Reactivity</td><td style="text-align: center;">1</td></tr> </table>	Health	3	Flammability	0	Reactivity	1	Section 8. Control Measures Exposure & Personal Protection <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Respiratory Protection – NIOSH respirator for acid fumes</td></tr> <tr><td>Ventilation - Local Exhaust</td></tr> <tr><td>Gloves – NIOSH approved, chemical resistant, neoprene.</td></tr> <tr><td>Eyewear – Splash proof goggles, face shield (ANSI Z87.1 or equivalent) if work area conditions warrant use.</td></tr> <tr><td>Other Protective Clothing –impervious apron</td></tr> </table>		Respiratory Protection – NIOSH respirator for acid fumes	Ventilation - Local Exhaust	Gloves – NIOSH approved, chemical resistant, neoprene.	Eyewear – Splash proof goggles, face shield (ANSI Z87.1 or equivalent) if work area conditions warrant use.	Other Protective Clothing –impervious apron							
Health	3																				
Flammability	0																				
Reactivity	1																				
Respiratory Protection – NIOSH respirator for acid fumes																					
Ventilation - Local Exhaust																					
Gloves – NIOSH approved, chemical resistant, neoprene.																					
Eyewear – Splash proof goggles, face shield (ANSI Z87.1 or equivalent) if work area conditions warrant use.																					
Other Protective Clothing –impervious apron																					
Section 2. Hazardous Components <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Component</th> <th>CAS Number</th> <th>%</th> <th>OSHA PEL</th> </tr> </thead> <tbody> <tr> <td>Hydrogen Chloride</td> <td>7647-01-0</td> <td>> 10.</td> <td>7.0 mg/m3</td> </tr> <tr> <td>Aminotri(methylene-phosphonic acid)</td> <td>6419-19-8</td> <td>< 8.0</td> <td>ND</td> </tr> <tr> <td>Sodium Tolyltriazole</td> <td>64665-57-2</td> <td>> 2.0</td> <td>ND</td> </tr> </tbody> </table>		Component	CAS Number	%	OSHA PEL	Hydrogen Chloride	7647-01-0	> 10.	7.0 mg/m3	Aminotri(methylene-phosphonic acid)	6419-19-8	< 8.0	ND	Sodium Tolyltriazole	64665-57-2	> 2.0	ND	Section 9. Regulatory Information DOT – Corrosive Liquid, NOS (Hydrochloric Acid), 8, UN1789, PG II Label: Corrosive			
Component	CAS Number	%	OSHA PEL																		
Hydrogen Chloride	7647-01-0	> 10.	7.0 mg/m3																		
Aminotri(methylene-phosphonic acid)	6419-19-8	< 8.0	ND																		
Sodium Tolyltriazole	64665-57-2	> 2.0	ND																		
Section 3. Hazard Identification Contact with eyes and skin can cause irritations and burns. May cause severe respiratory and digestive tract irritation and possible burns. Avoid breathing vapors. Harmful if swallowed.		Section 10. Physical and Chemical Properties <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Boiling Point</td><td>>100°C</td></tr> <tr><td>Vapor Pressure (mmHg)</td><td>ND</td></tr> <tr><td>Vapor Density (Air=1)</td><td>ND</td></tr> <tr><td>Solubility in Water</td><td>Complete</td></tr> <tr><td>Appearance and Odor</td><td>Clear liquid, pungent.</td></tr> <tr><td>Flash Point (closed cup)</td><td>ND</td></tr> <tr><td>Specific Gravity (H2O=1)</td><td>1.1-1.2</td></tr> <tr><td>pH</td><td>< 6.0</td></tr> </table>		Boiling Point	>100°C	Vapor Pressure (mmHg)	ND	Vapor Density (Air=1)	ND	Solubility in Water	Complete	Appearance and Odor	Clear liquid, pungent.	Flash Point (closed cup)	ND	Specific Gravity (H2O=1)	1.1-1.2	pH	< 6.0		
Boiling Point	>100°C																				
Vapor Pressure (mmHg)	ND																				
Vapor Density (Air=1)	ND																				
Solubility in Water	Complete																				
Appearance and Odor	Clear liquid, pungent.																				
Flash Point (closed cup)	ND																				
Specific Gravity (H2O=1)	1.1-1.2																				
pH	< 6.0																				
Section 4. First Aid Measures <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Skin</td><td>Wash exposed area with water.</td></tr> <tr><td>Eyes</td><td>Wash eyes with water for 15 minutes lifting lids periodically. Seek Medical Attention.</td></tr> <tr><td>Inhalation</td><td>Remove to fresh air. If not breathing, give CPR. Difficulty breathing, give oxygen. Seek Medical Attention if symptoms persist.</td></tr> <tr><td>Ingestion</td><td>Seek Medical Attention Immediately. If conscious give one cupful of water. DO NOT INDUCE VOMITING.</td></tr> </table>		Skin	Wash exposed area with water.	Eyes	Wash eyes with water for 15 minutes lifting lids periodically. Seek Medical Attention.	Inhalation	Remove to fresh air. If not breathing, give CPR. Difficulty breathing, give oxygen. Seek Medical Attention if symptoms persist.	Ingestion	Seek Medical Attention Immediately. If conscious give one cupful of water. DO NOT INDUCE VOMITING.	Section 11. Stability and Reactivity <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Stability</td><td>Stable</td></tr> <tr><td>Materials to Avoid - Metals, strong acids, strong bases, flammable liquids and oxidizing agents.</td><td></td></tr> <tr><td>Conditions to Avoid</td><td>Extreme temperatures</td></tr> <tr><td>Hazardous Polymerization</td><td>Will Not Occur</td></tr> <tr><td>Hazardous Decomposition: Hydrogen chloride, hydrogen gas; carbon and phosphorous oxides.</td><td></td></tr> </table>		Stability	Stable	Materials to Avoid - Metals, strong acids, strong bases, flammable liquids and oxidizing agents.		Conditions to Avoid	Extreme temperatures	Hazardous Polymerization	Will Not Occur	Hazardous Decomposition: Hydrogen chloride, hydrogen gas; carbon and phosphorous oxides.	
Skin	Wash exposed area with water.																				
Eyes	Wash eyes with water for 15 minutes lifting lids periodically. Seek Medical Attention.																				
Inhalation	Remove to fresh air. If not breathing, give CPR. Difficulty breathing, give oxygen. Seek Medical Attention if symptoms persist.																				
Ingestion	Seek Medical Attention Immediately. If conscious give one cupful of water. DO NOT INDUCE VOMITING.																				
Stability	Stable																				
Materials to Avoid - Metals, strong acids, strong bases, flammable liquids and oxidizing agents.																					
Conditions to Avoid	Extreme temperatures																				
Hazardous Polymerization	Will Not Occur																				
Hazardous Decomposition: Hydrogen chloride, hydrogen gas; carbon and phosphorous oxides.																					
Section 5. Fire Fighting Measures <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Extinguisher Type</td><td>Use media most appropriate for surrounding fire.</td></tr> <tr><td>Explosion Hazards</td><td>May produce hydrogen gas in fire.</td></tr> <tr><td>Fighting Procedure</td><td>Self contained breathing apparatus and protective clothing to prevent contact to the skin and clothes. Use water spray to cool fire exposed containers.</td></tr> </table>		Extinguisher Type	Use media most appropriate for surrounding fire.	Explosion Hazards	May produce hydrogen gas in fire.	Fighting Procedure	Self contained breathing apparatus and protective clothing to prevent contact to the skin and clothes. Use water spray to cool fire exposed containers.	Section 12. Additional Information <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>NE</td><td>Not Established</td><td>NA</td><td>Not Applicable</td></tr> <tr><td>ND</td><td>Not Determined</td><td></td><td></td></tr> </table>		NE	Not Established	NA	Not Applicable	ND	Not Determined						
Extinguisher Type	Use media most appropriate for surrounding fire.																				
Explosion Hazards	May produce hydrogen gas in fire.																				
Fighting Procedure	Self contained breathing apparatus and protective clothing to prevent contact to the skin and clothes. Use water spray to cool fire exposed containers.																				
NE	Not Established	NA	Not Applicable																		
ND	Not Determined																				
Section 6. Handling and Storage Wear appropriate protective clothing. Wash thoroughly after handling. Do not get in eyes, on skin or clothing. Launder contaminated clothing before reuse. Store in cool, well ventilated area away from metals, strong bases, flammable liquids and oxidizing agents.		Date Prepared: April 2005 Approved by: BLC																			