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**MATERIAL SAFETY DATA SHEET**

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<b>1. Product Name:</b> JC002		<b>Intended Use:</b> Masonry cleaner for sandstone, brick and terracotta		
<b>2. Chemical Composition/Information on Ingredients:</b>				
Hazardous Ingredient	Index No	% w/w range	WEL	Hazard
Hydrofluoric acid	009-003-00-1	< 12	STEL 3 ppm	C,T+, R35, 26/27/28
Phosphoric acid	015-011-00-6	25 to 30	n / a	C, R34

**3. Hazard Identification:**

Toxic by inhalation, in contact with skin or if swallowed. Corrosive, causes severe burns.

<b>4. First Aid Measures:</b>		<b>11. Toxicological Information:</b>	
EYES:	Immediately rinse with clean water for 15 minutes. Obtain immediate medical attention.	EYES:	Toxic : Severe burns resulting in serious damage if first aid is not prompt.
SKIN:	Drench immediately with plenty of water. Remove any contaminated clothing and launder before re-use. Repeatedly apply calcium gluconate gel, Seek urgent medical attention.	SKIN:	Toxic. Causes severe slow healing burns.
INGESTION:	Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain urgent medical attention.	INGESTION:	Toxic. Severe burns and damage to gastro intestinal tract.
INHALATION:	Remove to fresh air. And seek urgent medical attention if symptoms persist.	INHALATION:	Mist or Spray: Toxic. Severe irritation. Effects may vary with concentration.

<b>5. Fire Fighting Measures:</b>		<b>12. Ecological Information:</b>	
EXTINGUISHING MEDIA:	Foam, carbon dioxide or dry powder.	AQUATIC TOXICITY	Toxic
SPECIAL EXPOSURE HAZARDS:	Toxic fumes.	BIODEGRADABILITY	Readily biodegradable
SPECIAL INSTRUCTIONS:	Wear breathing apparatus.	MOBILITY	Not persistent in the environment

<b>6. Accidental Release Measures:</b>		<b>13. Disposal Considerations:</b>	
For large spillage evacuate personnel. Wear personal protection (see sect. 8)		Use only licensed waste disposal companies.	
Do not allow to enter storm drains or water courses. If this occurs inform authorities.		Rinse empty containers with water.	
Spillages : absorb or contain. Transfer to drums or salvage tank.		Damage empty containers if disposed of via local waste.	

<b>7. Handling and Storage:</b>		<b>14. Transport Information:</b>			
Avoid contact with eyes and skin. Avoid breathing mist or spray. Keep away from aluminium and other light alloys.		UN	2922	CLASS	8, 6.1
				TRANS CAT	2

<b>8. Personal Protection:</b>				UN Description:		Toxic liquid, Corrosive NOS contains Hydrofluoric acid	
GOGGLES	Safety glasses, goggles or full-face visor.	APRONS	Yes if danger of splashing.	<b>15: Regulatory Information:</b>			
GLOVES	Impervious (Neoprene) gloves	RESPIRATORS	Yes if STEL or OEL is exceeded.	SYMBOL:	TOXIC. CORROSIVE		
OVERALLS	Yes if danger of splashing.	BARRIER CREAM	Recommended	RISK PHRASES:	R35, 26/27/28 Very toxic by inhalation, in contact with skin or if swallowed. Causes severe burns.		

<b>9. Physical and Chemical Properties:</b>							
APPEARANCE	Pale blue liquid.			SAFETY PHRASES:			
ODOUR	Acidic			S26, in case of contact with eyes rinse immediately with plenty of water and seek medical advice.			
pH	<1			S35, 36/37, 45. This material and its container must be disposed of in a safe manner. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).			
SG	1.2 (typical).						
FLASH POINT	Not applicable.						
SOLUBILITY	Soluble.						

<b>10. Stability and Reactivity:</b>				<b>16. Other Information:</b>			
Stable under normal conditions. Avoid contact with alkalis, aluminium and other light alloys. Reaction with strong alkalis generates heat. Will react with aluminium and other light alloys to produce flammable hydrogen gas.				Refer to section 1. No other usage is recommended unless advised in writing by <b>Jetchem Systems Limited</b>			