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**MATERIAL SAFETY DATA SHEET**

Issued : Jan 2009

**1. Product Name:** JC006 **Intended Use:** Mortar and cement stain remover, concrete cleaner

**2. Chemical Composition/Information on Ingredients:**

Hazardous Ingredient	Index No	% w/w range	WEL	Hazard
Hydrochloric acid	017-002-01-X	< 10	STEL 7.6 mg/cu.m	None
Acetic acid	607-002-00-6	< 10	STEL 15 ppm	None

**3. Hazard Identification:**

Irritating to eyes and skin

**4. First Aid Measures:**

EYES:	Immediately rinse with clean water for 15 minutes. Obtain immediate medical attention.
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.
INGESTION:	Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain urgent medical attention.
INHALATION:	Remove to fresh air. And seek urgent medical attention if symptoms persist.

**11. Toxicological Information:**

EYES:	Irritation resulting in possible damage if first aid is not prompt
SKIN:	Irritation
INGESTION:	Irritation and possible damage to gastro intestinal tract
INHALATION:	Mist or Spray: Irritation. Effects may vary with concentration

**5. Fire Fighting Measures:**

EXTINGUISHING MEDIA:	Foam, carbon dioxide or dry powder.
SPECIAL EXPOSURE HAZARDS:	Irritating fumes
SPECIAL INSTRUCTIONS:	Wear breathing apparatus.

**12. Ecological Information:**

AQUATIC TOXICITY	Harmful due to pH effects
BIODEGRADABILITY	Readily biodegradable
MOBILITY	Not persistent in the environment

**6. Accidental Release Measures:**

For large spillage evacuate personnel. Wear personal protection (see sect. 8)
Do not allow to enter storm drains or water courses. If this occurs inform authorities.
Contain spillages. Neutralise with alkali and flush to fowl drain with water

**13. Disposal Considerations:**

Use only licensed waste disposal companies.
Rinse empty containers with water.
Damage empty containers if disposed of via local waste.

**7. Handling and Storage:**

Avoid contact with eyes and skin. Avoid breathing mist or spray. Keep away from aluminium and other light alloys.

**14. Transport Information:**

UN	None	CLASS	None	TRANS CAT	None
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**8. Personal Protection:**

GOGGLES	Safety glasses, goggles or full-face visor.	APRONS	Yes if danger of splashing.
GLOVES	Impervious (Neoprene) gloves	RESPIRATORS	Yes if STEL or OEL is exceeded.
OVERALLS	Yes if danger of splashing.	BARRIER CREAM	Recommended

UN Description:

**15: Regulatory Information:**

SYMBOL:	IRRITANT
RISK PHRASES:	R36/38 Irritating to eyes and skin

**9. Physical and Chemical Properties:**

APPEARANCE	Pale yellow liquid.	SAFETY PHRASES:	
ODOUR	Mild acidic	S26, in case of contact with eyes rinse immediately with plenty of water and seek medical advice.	
pH	< 2	S37. Wear suitable gloves	
SG	1.03 (typical).	Contains acetic acid (< 5%) and hydrochloric acid (< 10%)	
FLASH POINT	Not applicable.		
SOLUBILITY	Soluble.		

**10. Stability and Reactivity:**

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.

**16. Other Information:**

Refer to section 1. No other usage is recommended unless advised in writing by **Jetchem Systems Limited**