

**FLOWPLANT GROUP Ltd.**

SUPPLIERS OF NEOLITH CHEMICALS

Flowplant Manufacturing Ltd., Gemini House, Brunel Road, Churchfields Ind., Est., Salisbury, Wilts, SP2 7PU

**MATERIAL SAFETY DATA SHEET**

Formula Ref:1220604 Issue No 1 July 2004

**1. Product Name:** Aluminium Cleaner **Intended Use:** Automotive: vehicle body cleaning/renovation

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

Hazardous Ingredient	Index No	% w/w range	OEL/MEL	Hazard
Hydrofluoric acid	009-003-00-1	1 to 5	STEL 3ppm	T+, R26/27/28,35
Phosphoric acid	015-011-00-6	10 to 15	STEL 2mg/cu 2mg/cu.m	C, R34

**3. Hazard Identification:**

Toxic by inhalation, ingestion or skin contact. Corrosive causes severe burns.

**4. First Aid Measures:**

**11. Toxicological Information:**

EYES:	Immediately rinse with clean water for 15 minutes. Obtain prompt medical attention.	EYES:	Severe irritation resulting in serious damage if first aid is not prompt.
SKIN:	Drench immediately with plenty of water. Remove any contaminated clothing. Repeatedly apply calcium gluconate gel, 2.5% and massage affected area. Cover with dressing and transfer to hospital.	SKIN:	Toxic. Causes severe slow healing burns. Large burn area, > 25 sq ins. May be fatal if first aid/hospital treatment not immediate.
INGESTION:	Do not induce vomiting. Wash out mouth with water. Give 6 effervescent tablets of calcium gluconate in water by mouth. Transfer to hospital immediately.	INGESTION:	Toxic. Severe burns and damage to gastro intestinal tract.
INHALATION:	Remove to fresh air. Apply artificial respiration if breathing stops. Obtain medical attention.	INHALATION:	Mist or Spray: Toxic. Severe irritation. Effects may vary with concentration.

**5. Fire Fighting Measures:**

**12. Ecological Information:**

EXTINGUISHING MEDIA:	Foam, carbon dioxide or dry powder.	AQUATIC TOXICITY	Harmful to aquatic life.
SPECIAL EXPOSURE HAZARDS:	Toxic fumes.	BIODEGRADABILITY	Degraded. Will disperse as ions
SPECIAL INSTRUCTIONS:	Wear breathing apparatus.	MOBILITY	Degraded. Will disperse as ions

**6. Accidental Release Measures:**

**13. Disposal Considerations:**

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.
Contain by bunding. Transfer to suitable containers properly labelled.	Damage empty containers if disposed of via local waste.

**7. Handling and Storage:**

**14. Transport Information:**

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	3
---	----	------	-------	--------	-----------	---

**8. Personal Protection:**

UN Description: Corrosive liquid NOS contains sodium hydroxide.

GOGGLES	Safety glasses, goggles or full-face visor.	APRONS	Yes if danger of splashing.	<b>15: Regulatory Information:</b>		
GLOVES	Impervious (acid resistant) gloves	RESPIRATORS	Yes for concentrations above STEL.	SYMBOL:	TOXIC. CORROSIVE	
OVERALLS	Yes if danger of splashing.	BARRIER CREAM	Recommended	RISK PHRASES:	R2.3/24/25, Toxic by inhalation, in contact with skin or if swallowed .R34, causes burns.	

**9. Physical and Chemical Properties:**

APPEARANCE	Pale straw mobile liquid	SAFETY PHRASES:	
ODOUR	Soapy	S02, Keep out of reach of children.	
pH	1.14	S36/37/38, Wear suitable protective clothing, gloves and eye/face protection.	
SG	1.14 typical	S45, in case of accident or if you feel unwell seek medical advice immediately (show the label where possible)	
FLASH POINT	Not applicable.		
SOLUBILITY	Soluble.		

**10. Stability and Reactivity:**

**16. Other Information:**

Stable under normal conditions. Avoid contact with alkalis. Reaction with strong alkalis generates heat. Can liberate harmful gases when in contact with cyanides, nitrites, sulphites, acetylides and carbides	Refer to section 1. No other usage is recommended unless advised in writing by <b>Flowplant Manufacturing Ltd.</b>
---	--