

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:1200404 Issue No 1 Mar 2005

1. Product Name: NEOLITH 600**Intended Use:** Construction Industry; Masonry Cleaner**2. Chemical Composition/Information on Ingredients:**

| Hazardous Ingredient | Index No | % w/w range | OEL/MEL | Hazard |
|----------------------|--------------|-------------|------------|-------------------|
| Hydrofluoric acid | 009-003-00-1 | 5 to 10 | STEL 3 ppm | C,T+,R35,26/27/28 |
| Phosphoric acid | 015-011-00-6 | 10 to 20 | n /a | C, R34 |

3. Hazard Identification:

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

4. First Aid Measures:

| | |
|-------------|--|
| EYES: | Immediately rinse with clean water for 15 minutes. Obtain urgent medical attention. |
| SKIN: | Drench immediately with water. Remove any contaminated clothing and launder before re-use. 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: | Toxic: Severe burns resulting in serious damage if first aid is not prompt. |
| SKIN: | Toxic: Causes severe slow healing burns. |
| INGESTION: | Toxic: Severe burns and damage to gastro intestinal tract. |
| INHALATION: | Mist or Spray: Toxic: Severe irritation. Effects may vary with concentration. |

5. Fire Fighting Measures:

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

12. Ecological Information:

| | |
|------------------|-----------------------------------|
| AQUATIC TOXICITY | Toxic. |
| 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.
Spillages: Absorb or contain. Transfer to drums or salvage tank.

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 | 2922 | CLASS | 8,6.1 | TRANS CAT | 2 |
| UN Description: | | | Toxic liquid, Corrosive NOS contains Hydrofluoric acid. | | |

8. Personal Protection:

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

15. Regulatory Information:

| | |
|---------------|--|
| SYMBOL: | TOXIC & CORROSIVE |
| RISK PHRASES: | R35, 26/27/28 Very toxic by inhalation, in contact with skin or if swallowed. Causes severe burns. |

9. Physical and Chemical Properties:

| | |
|-------------|---------------------------|
| APPEARANCE | Pale straw mobile liquid. |
| ODOUR | Acidic |
| pH | <1 |
| SG | 1.3 (typical). |
| FLASH POINT | Not applicable. |
| SOLUBILITY | Soluble. |

| | |
|---|--|
| SAFETY PHRASES: | |
| S26, In case of contact with eyes rinse immediately with plenty of water and seek medical advice. | |
| 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). | |

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 **Flowplant Manufacturing Ltd.**