

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:1180504 Issue No 1 Mar 2005

1. Product Name: NEOLITH YBSAC	Intended Use: Construction Industry
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2. Chemical Composition/Information on Ingredients:				
Hazardous Ingredient	Index No	% w/w range	OEL/MEL	Hazard
Hydrofluoric acid	009-003-00-1	<15	STEL 3 ppm	C, T+, R35, 26/27/28
Hydrochloric acid	017-002-01-X	5 to 10		C, R35. 37

3. Hazard Identification:
Very toxic by inhalation, in contact with skin or if swallowed. Corrosive causes severe burns.

4. First Aid Measures:		11. Toxicological Information:	
EYES:	Immediately rinse with clean water for 15 minutes. Obtain urgent medical attention.	EYES:	Toxic: Severe burns resulting in serious damage if first aid is not prompt.
SKIN:	Drench immediately with water. Remove any contaminated clothing and launder before re-use. Apply Calcium Gluconate gel. Seek urgent medical attention.	SKIN:	Very 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:	Very 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: Very 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	Toxic.
SPECIAL EXPOSURE HAZARDS:	Toxic fumes.	BIODEGRADABILITY	Readily biodegradable.
SPECIAL INSTRUCTIONS:	Wear breathing apparatus.	MOBILITY	Not persistent in the environment

6. Accidental Release Measures:		13. Disposal Considerations:	
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.	

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	2

8. Personal Protection:				UN Description:	Toxic liquid, Corrosive NOS contains Hydrofluoric acid.
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GOGGLES	Safety glasses, goggles or full-face visor.	APRONS	Yes if danger of splashing.	15: Regulatory Information:			
GLOVES	Impervious gloves (Neoprene, pvc)	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.		

9. Physical and Chemical Properties:				SAFETY PHRASES:			
APPEARANCE	Yellow mobile liquid.			S26, In case of contact with eyes rinse immediately with plenty of water and seek medical advice.			
ODOUR	Acidic			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).			
pH	<1						
SG	1.1 (typical).						
FLASH POINT	Not applicable.						
SOLUBILITY	Soluble.						

10. Stability and Reactivity:				16. Other Information:			
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 Flowplant Manufacturing Ltd.			