

**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:1260204 Issue No 1 Mar 2005

<b>1. Product Name: NEOLITH 438</b>	<b>Intended Use: Alkaline cleaning.</b>
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<b>2. Chemical Composition/Information on Ingredients:</b>				
Hazardous Ingredient	Index No	% w/w range	OEL/MEL	Hazard
Sodium Hydroxide	1310-73-2	>20	2 ppm	C, R35

<b>3. Hazard Identification:</b>
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 prompt medical attention.	EYES:	Severe irritation resulting in serious damage if first aid is not prompt.
SKIN:	Drench immediately with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist.	SKIN:	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:	Severe burns and damage to gastro intestinal tract.
INHALATION:	Remove to fresh air and seek medical attention if symptoms persist.	INHALATION:	Mist or Spray: 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	Harmful due to pH effects.
SPECIAL EXPOSURE HAZARDS:	Irritating 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.	
Contain spillages. Neutralize with mineral acid and flush to fowl drain with water.		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	1760	CLASS	8
<b>8. Personal Protection:</b>		UN Description:		TRANS CAT	2
Corrosive liquid NOS contains sodium hydroxide.					

<b>15: Regulatory Information:</b>	
GOGGLES	Safety glasses, goggles or full-face visor.
APRONS	Yes if danger of splashing.
GLOVES	Impervious gloves (pvc)
RESPIRATORS	Only for high concentrations of mist or spray.
OVERALLS	Yes if danger of splashing.
BARRIER CREAM	Recommended
SYMBOL:	CORROSIVE
RISK PHRASES:	R35, Causes severe burns.

<b>9. Physical and Chemical Properties:</b>		<b>16. Other Information:</b>	
APPEARANCE	Dark brown liquid	SAFETY PHRASES:	
ODOUR	Bland	S26, In case of contact with eyes rinse immediately with plenty of water and seek medical advice.	
pH	>13	S36/37/38, Wear suitable protective clothing, gloves and eye/face protection.	
SG	1.3 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 acids, aluminium and other light alloys. Reaction with strong acids 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>Flowplant Manufacturing Ltd.</b>