

SAFETY DATA SHEET FLOTEK 360

1. IDENTIFICATION

Trade name: Flotek 360
Generic Type: None
Product type/area of use: Cooling water treatment

2. INFORMATION ON COMPOSITION

Substances which give the product

<u>its health-risk properties</u>	<u>CAS-no</u>	<u>Contents %</u>	<u>Remarks</u>
POTASSIUM HYDROXIDE	1310-58-3	10-15	
PHOSPHONIC ACID	23783-26-8	1-5	
TULUTRIOZOLE	29385-43-1	0.5-1	
POLYACRYLIC ACID	9003-04-7	1-5	
SODIUM SILICATE SOLn	1344-09-8	15-25	

3. HAZARDS IDENTIFICATION

Inhalation
Liquid material – inhalation not applicable
Eye Contact
May cause irritation
Skin Contact
May cause irritation
Ingestion
May cause irritation

4. FIRST-AID MEASURES

Inhalation
Not applicable
Eye Contact
Wash immediately with plenty of water
Skin Contact
Remove immediately contaminated clothing and wash skin
Ingestion
Drink plenty of water
Information to Doctor
Alkaline solution containing hydroxides and silicates

Cont.....

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Water based product with no special hazards
Precautions: None required
Extinguishing Media: No special media required
Not Suitable Extinguishing Media: None

6. ACCIDENTAL RELEASE MEASURES

Absorb by inert material. Flush spill area with plenty of water. The alkaline hazard of the product is removed by dilution with water.

7. HANDLING AND STORAGE

Handling: Wear gloves, eye protection and overalls
Storage: Store indoors and prevent from freezing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Control: Avoid eye and skin contact
Personal Protection: Wear gloves, goggles and overalls when handling the material

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown coloured hazy liquid		
Boiling Point (°C):	100°C	Density (Kg/m ³):	1.10 – 1.15
Flashpoint (°C) TCC:	None	Vapour pressure (mmHg)	
Pour point (°C):	None	Vapour density (air=1)	
Auto-ignition Temp (°C):	None	Soluble in organic solvent:	None
Expl.omr. (vol%):		Solubility in water (w-%):	100%
pH (concentrate):	11.5 – 13.5	pH (10% solution in distilled water)	
Rel. evaporation rate:	N/A	Ether = 1:	Butylacetate = 100
Viscosity (cSt):			

10. STABILITY AND REACTIVITY

Stability: The product is stable and has a shelf life of 2 years
Avoid Blending With: Acids
Dangerous Products of Degradation: None
Dangerous Products of Combustion: None

11. TOXICOLOGY INFORMATION

Analysis Data: LC₅₀ [RAT] > 5000mg/kg [Calculated] Considered to be non-toxic
Remarks:

12. ECOLOGICAL INFORMATION

Analysis Data: LC₅₀ Rainbow Trout >500mg/l [Calculated] Considered to be of danger to the environment

13. DISPOSAL CONSIDERATIONS

Recommendations: Alkaline product which in use is diluted down considerably and allowed to enter the environment

Cont.....

14. TRANSPORT INFORMATION

UN no:	1823	Packaging gr.	11
ADR/RID:	80		
IMDG class:	8		

15. REGULATORY INFORMATION

Chemical Health Hazard:	Alkaline/Corrosive		
Chemical to the Environment:			
Inflammable Product:		Class:	
Explosive Product:		Tmsp. Class:	
Labelling Category [-s]:			
Symbol [-er]:		Main Text:	
R-Phase [-s]:	36/38		
S-Phase [-s]:	37/37		

16. OTHER INFORMATION

No carcinogenic properties has been found with any ingredients.
No evidence of mutagenic effects
Exposure limits not assigned