

SAFETY DATA SHEET BOILERTEK 985

1. IDENTIFICATION

Trade name: Boilertek 985
Generic name: Corrosive liquid, Not flammable N.O.S.
Product type/area of use: Boiler water treatment chemical

2. INFORMATION ON COMPOSITION

Substances which give the product

<u>Its Health-risk properties</u>	<u>CAS-no</u>	<u>Contents %</u>
Sodium Bisulphate	7631-90-5	5 – 10
Cobalt Chloride	7646-79-9	<1%
Potassium Hydroxide	1310-58-3	20 – 40
Polyacrylate	9003-04-7	1 – 5
Phosphonic Acid	2809-21-4	1 – 5

3. HAZARDS IDENTIFICATIONS

Inhalation: May cause a temporary shortage of breath as small quantities of sulphur dioxide may be present
Eye contact: Alkaline - May cause irritation
Skin contact: Alkaline - May cause irritation
Ingestion: Alkaline, will generate sulphur dioxide

4. FIRST-AID MEASURES

Inhalation: Keep the drum closed when not in use in a well ventilated area. Avoid breathing vapours
Eye contact: Wash immediately with plenty of water
Skin contact: Remove immediately contaminated clothing and wash skin
Ingestion: Drink plenty of water to dilute the product
Information to Doctor: Alkaline sulphite generating

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards: May liberate sulphur dioxide under extreme conditions
Precautions: none required
Extinguishing media: Water
Not suitable extinguishing media: none

6. ACCIDENTAL RELEASE MEASURES

Absorb by inert material for landfill disposal and wash affected area well with water, flush to drain

Continued

7. HANDLING AND STORAGE

Handling: Keep drums tightly closed when not in use
Storage: Store indoors and prevent from freezing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control: None
Personal protection: Wear gloves, goggles and overalls when handling this and any other chemical

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Straw Coloured Liquid	
Boiling point:	100°C	Density (kg/m ³) 1.2 – 1.26
Flashpoint TCC:		Vapor pressure (mm Hg)
Pour point:		Vapor density (air=1)
Auto-ignition temp		Soluble in organic solvent: None
Expl.omr.		Solubility in water [w-%]: 100%
PH	12 – 13.5	pH [10% solution in distilled water]:
Rel.evaporation rate:	Ether=1	Butylacetate=100

10. STABILITY AND REACTIVITY

Stability: The product is stable and has a shelf-life of 12 months
Avoid blending with: Strong Acids
Dangerous products of degradation: Sulphur dioxide
Dangerous products of combustion: Sulphur dioxide

11. TOXICOLOGICAL INFORMATION

Analysis data: As sulphite/bisulphite it is considered dangerous if ingested due to liberation of sulphur dioxide

12. ECOLOGICAL INFORMATION

Analysis data: Reacts quickly with oxygen to form harmless sulphates

13. DISPOSAL CONSIDERATIONS

Recommendations: May be disposed of to landfill or to drain after reaction with oxygen, and dilution with water

14. TRANSPORT INFORMATION

UN no:	1760	Packaging gr.	III
ADR/RID:	Class 8		
IMDG class:	8	Side:	EmSno: 8-06
MFAG no:	705		
DGR:			
Goods description:			

Cont.....

15. REGULATORY INFORMATION

Chemical health hazard:

Chemical to the environment:

Inflammable product:

Class:

Explosive product:

Tmsp.class

Labelling category:

Symbol:

Main text:

R-phrase: R31/R32

S-phrase: S14

16. OTHER INFORMATION

All of the raw materials used in this product are approved by the FDA [of USA] for use in treating steam raising plant where that steam may contact food or food packaging.