



# MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TransCanada HWY,  
Baie d'Urfé, QUEBEC, H9X 0A2  
CANADA

<b>Nutrafin Conditioner</b>
<b>Tropical Extracts</b>
<b>A7932 A7934</b>

Page 1 of 3

Section I. Product identification and uses		Section II. Hazardous ingredients
Product name	Tropical extract	KOH 5.95% CAS: 1310-58-3 TVL: OSHA (PEL) : 2mg / m <sup>3</sup> ACGIH (TLV) : 2mg / m <sup>3</sup>
Chemical formula	Humic and Fluvic Acid	
Chemical family	Organic mixture	
Material uses	Shading compounds for tropical aquarium.	

Section III. Physical data	
Physical state and appearance/Odour	Dark brown liquid with mild odour
pH	6.5-7.5
Percent volatile	Not available
Freezing point	-2°C
Boiling point	100°C
Specific gravity	1.010
Vapour density	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	Completely soluble

Section IV. Fire and explosion data
None

Section V. Reactivity data
Stable, avoid contact with strong acids



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Page 2 of 3

### Section VI. Toxicological properties

#### Routes of entry

Effects of acute	Not available.
Eye	Not an eye irritant
Skin	Not a skin irritant
Inhalation	Information not available
Ingestion	LD <sub>50</sub> of male and female albino rat greater than 5ml per kg.
Effects of chronic overexposure	Not available

### Section VII. First aid measures

Eye contact	Wash with plenty of water
Skin contact	Wash with plenty of water
Inhalation	Not available.
Ingestion	Get medical attention immediately.



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Page 3 of 3

### Section VIII. Preventive measures

Protective clothing in case of spill and leak	None.
Spill and leak	Wash with Water
Waste disposal	Wash with Water
Storage and handling	Standard storage.

### Section IX. Protective measures

Protective clothing	Wear protective gloves, eye protection of rubber apron.
Engineering controls	None.

### Section X. Other information

Special precautions or comments	Freeze at approximately -2°C. Do not warm. Allow the product to melt at room temperature.
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