



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TRANSCANADA HWY,
BAIE D'URFÉ, QUEBEC, H9X 0A2
CANADA

Nutrafin Water Conditioner

Aquaplus

A7925 A7927 A7928 A7929 A7930

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Section I. Product identification and uses

Product name	Aquaplus
CAS #	Mixture
Use	Aquarium Conditioner.
Supplier	Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2
Emergency	Call your local Poison Control Centre.

Section II. Composition and information on ingredients

Ingredients	Conc. (%)	CAS #	EINECS #	LD50	LC50
Proprietary mixture of substances that are not controlled according to WHMIS classification					

Section III. Hazardous ingredients

WHMIS	Classification	Transport of dangerous goods
Not regulated	Not applicable	Not regulated

Section IV. Physical data

Physical state and appearance/Odour	Slightly viscous brownish liquid. Characteristic medicinal herbal.
pH	9.0-9.5
Percent volatile	Not applicable
Freezing point	24.8°F (-2°C)
Boiling point	Not applicable
Specific gravity	1.025-1.027
Vapour density	Not available
Odour threshold	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	100% soluble in water

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Section V. Fire and explosion data
Flammability conditions

Water based product. Non flammable. If heated beyond dryness, may liberate toxic and corrosive hydrogen sulphide gas or corrosive hydrogen sulfite.

Means of extinction

Does not burn. Use extinguishing media appropriate for surrounding fire.

Procedures in case of a fire

Immediately evacuate personnel to safe area. Fire fighters should wear full protective clothing, including self-contained breathing apparatus with full face piece operated in positive pressure mode. Fight fire from safe distance. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water course.

Hazardous combustion materials

Carbon oxides, sulphur oxides and other irritant gas which may include toxic constituent.

Flash point

Not available

Flammable limit (%volume)

 Minimum
 Not available

 Maximum
 Not available

Auto-ignition temperature

Not available

Section VI. Reactivity data
Instability conditions

Stable under normal conditions, will not polymerize

Incompatible products

Open flame and heat, avoid strong oxidizing agent and acids

Reactivity conditions

None known

Hazardous decomposition products

None known. Refer to hazardous combustion materials.

Section VII. Toxicological properties
Routes of entry

Eye, skin, digestive system

Effects of acute

Dermal, eye irritant, toxic by ingestion.

Eye

May cause moderate to severe eye irritation. Prolonged contact may cause corrosive burns and eye damage.

Skin

May cause mild skin irritation on prolonged contact. Symptom may include redness, itching and swelling.

Inhalation

If mists are formed, inhalation may cause moderate irritation of the nose, throat and respiratory tract. Symptom may include coughing, chest pain and shortness of breath.

Ingestion

Swallowing may cause irritation, nausea and vomiting.

Effects of chronic overexposure

Prolonged skin contact may cause dermatitis, characterized by red,

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dry, itching skin.

Section VIII. First aid	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate attention/advice.
Skin contact	Remove/Take off immediately all contaminated clothing. Wash exposed area thoroughly with soap and water for at least 15 minutes. If irritation persists, seek prompt medical attention.
Inhalation	Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.
Ingestion	Seek immediate medical attention/advice. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Do not induce vomiting, unless directed by medical qualified personnel. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce risk of aspiration.

Section IX. Accidental release measures	
Person-related safety precautions	Safety goggles, impervious gloves and apron should be worn. An eye wash station and safety shower should be made available in the immediate working area. Other equipment may be required depending of the workplace standards.
Measures for environmental protection	Evacuate personnel from spill area. Restrict access to area until completion of clean-up. Remove all source of ignition. Provide adequate ventilation. Stop spill at source if it is safe to do so. Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike area to prevent spreading. Contain and absorb spilled liquid with non-combustible inert absorbent material, than place absorbent into a container for later disposal.
Measures for cleaning/collecting	According to local, provincial, federal regulations.

Section X. Handling and storage	
Handle in accordance to good industrial hygiene and safety practice.	

Section XI. Exposure controls and personal protection	
Protective clothing	Refer to Section IX – Protective clothing in case of spill and leak.
Engineering controls	Use general or local exhaust ventilation.

Section XII. Disposal considerations	
Product recommendation	None available



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Unclean packaging
recommendation

According to local, provincial, federal regulations.

Section XIII. Ecological information

No information available.

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