



## MATERIAL SAFETY DATA SHEET

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

CO<sub>2</sub> – Stabilizer

Natural Plant Gro

A7695

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### Section I. Product identification and uses

Product name	CO <sub>2</sub> Natural Plant Gro –Stabilizer
CAS #	Mixture
Use	CO <sub>2</sub> production for freshwater aquarium
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 #	TLV	LD50	LC50
Sodium Sulphite	5-10	7757-83-7			

### Section III. Hazardous ingredients

WHMIS	Classification	Transport of dangerous goods
Product is not controlled	Product is not controlled	Product is not controlled

### Section IV. Physical data

Physical state and appearance/Odour	White powder solid, ammonia like odor.
pH	8.17 @1% sln
Percent volatile	Not available
Freezing point	Not available
Boiling point	Not available
Specific gravity	0.98 g/ml
Vapour density	Not available
Vapour pressure	Not available
Evaporation rate	Not available
Solubility	9% w/w @ 25C

### Section V. Fire and explosion data

Flammability conditions	Not combustible, keep away from high temperature, sparks, open flames and all other source of ignition
Fire extinguishing procedures	
Fire and explosion hazards	

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Fire degradation products	Thermal decomposition products are irritating (irritating gases)	
Flash point	Flammable limit (%volume)	
	Minimum	Maximum
	Auto-ignition temperature	

<b>Section VI. Reactivity data</b>	
Stability	Stable under normal handling and storage conditions
Incompatibility	Strong oxidizing agents, acids alkalis.
Reaction products	Not available
Hazardous decomposition products	Oxidizer may cause strong exothermic reaction. Reaction with acids and oxidizing agent can release irritating gases.

<b>Section VII. Toxicological properties</b>	
<b>Route of Entry</b>	Ingestion
Effects of acute	
Eye	May cause irritation and possible damage due to abrasiveness
Skin	May cause irritation, not likely to be absorbed through skin
Inhalation	May cause upper respiratory tract irritation
Ingestion	May cause mild gastrointestinal discomfort. Ingestion of very high level may cause colic, diarrhea, circulatory disturbance and central nervous system depression.
Effects of chronic overexposure	Can cause hypersensitivity reactions in certain susceptible individual, especially asthmatics. Symptoms includes hives, respiratory distress, flushing, gastro-intestinal disturbances and contact dermatitis.

<b>Section VIII. First aid measures</b>	
Eye contact	Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. Obtain medical attention.
Skin contact	Wash with plenty of soap and water for at least 5 minutes. If irritation, redness or a burning sensation develops and persists, obtain medical advice.
Inhalation	Move victim to fresh air. Obtain medical attention if respiratory irritation or distress is present.
Ingestion	Give 1-2 glasses of water to drink. Seek medical attention. Do not give water to drink to an unconscious person.

<b>Section IX. Preventive measures</b>	
Protective clothing in case of spill and leak	Wear safety goggles, rubber boot, gloves and apron. Avoid contact with eyes and skin. Minimize air borne spreading of dust.



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	Eliminate all sources of ignition.
Spill and leak	Sweep-up, place in a bag and hold for waste disposal; Wash spill site after material pick up is complete.
Waste disposal	

### Section X. Handling and Storage

Store in a cool, dry place. Do not store near oxidizing agent, acids or alkalis. Keep away from heat, sparks and flames. Keep container closed.

### Section XI. Protective measures

Protective clothing	See section IX. Avoid breathing dusts.
Engineering controls	General ventilation.

### Section XII. Disposal considerations

Product recommendation	Observe local environmental regulations and guidelines.
Uncleaned packaged recommendation	Not available

### Section XIII. Ecological Information

Not available

### Section XIV. Other information

Not available

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