

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

<b>PRODUCT IDENTIFIER:</b>	Ocean Bloom 2-10-12
<b>PRODUCT USE:</b>	Liquid organic based fertilizer
<b>SUPPLIER'S NAME:</b>	Green Gold (105766 Canada Inc.)
<b>ADDRESS:</b>	636 route 364, Morin-Heights, Quebec, J0R 1H0
<b>TELEPHONE:</b>	450-226-2515

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES & ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
Fish emulsion	NAV	NAV	
Mono Potassium Phosphate	7778-77-0	LD <sub>50</sub> rat acute oral - 4640 mg/kg LD <sub>50</sub> rabbit dermal - 4640 mg/kg	
Potassium Sulfate	7778-80-5	rat oral - 6600 mg/kg	
Iron (Fe) EDTA	15708-41-5	LD <sub>50</sub> (rat, oral) >5000 mg/kg	
Copper (Cu) EDTA	14025-15-1	LD <sub>50</sub> (rat, oral) 350 mg/kg	LC <sub>50</sub> (rat, Inhalation) 2000 ppm (4hr)
Zinc (Zn) EDTA	14025-21-9	LD <sub>50</sub> (rat, oral) - 1750 mg/kg	
Manganese (Mn) EDTA	15375-84-5	LD <sub>50</sub> (rat, oral) > 2000 mg/kg	
Borax	12179-04-3	LD <sub>50</sub> (rat, oral) > 2660 mg/kg	
Sodium Molybdate	10102-40-6	LD <sub>50</sub> (rat, oral) - 4000 mg/kg	

## SECTION 3 - PHYSICAL DATA

<b>PHYSICAL STATE:</b>	Liquid	<b>ODOUR &amp; APPEARANCE:</b>	fish odour, light brown colour
<b>ODOUR THRESHOLD (PPM):</b>	NAV	<b>VAPOUR PRESSURE (mmHg):</b>	NAV
<b>VAPOUR DENSITY (AIR=1):</b>	NAV	<b>SPECIFIC GRAVITY:</b>	1.17 g/cm <sup>3</sup>
<b>Ph:</b>	5.4	<b>BOILING POINT:</b>	NAV
<b>FREEZING POINT:</b>	NAV	<b>EVAPORATION RATE:</b>	NAV
<b>COEFF. WATER/OIL DIST</b>	NAV	<b>SOLUBILITY (IN WATER):</b>	Soluble

## SECTION 4 - FIRE AND EXPLOSION DATA

<b>FLAMMABLE:</b>	NAP		
<b>IF YES, UNDER WHAT CONDITION?</b>	Even though product is not combustible, it can contribute to combustion as a source of fuel.		
<b>MEANS OF EXTINCTION:</b>	Water, Fog, Foam, Dry Chemical, CO2		
<b>SPECIAL PROCEDURES:</b>	If possible remove containers from fire area without risk. Spray water from as far a distance as possible.		
<b>FLASHPOINT (°C) &amp; METHOD:</b>	NAV	<b>AUTOIGNITION TEMPERATURE (°C) :</b>	NAV
<b>LOWER FLAMMABLE LIMIT (% BY VOLUME):</b>	NAV	<b>UPPER FLAMMABILITY LIMIT (% BY VOLUME):</b>	NAV
<b>SENSITIVITY TO IMPACT:</b>	some evidence	<b>SENSITIVITY TO STATIC DISCHARGE:</b>	no evidence
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Iron Oxides, Ammonia, Nitrogen Oxides, Carbon Oxides, Calcium Oxides, Potassium Oxide.		

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## SECTION 5 - REACTIVITY DATA

<b>CHEMICAL STABILITY:</b>	Stable at room temperature in closed containers and under normal storage and handling conditions.
<b>INCOMPATIBILITY:</b>	Oxidizable substances, ammonia, hydrazine, reducing agents, strong acids and bases, alkyl esters.
<b>REACTIVITY AND UNDER WHAT CONDITIONS:</b>	Keep away from ignition sources, shock, water/moisture, heat and incompatible materials.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	See hazardous combustion products (section 4)
<b>CORROSIVE BEHAVIOUR:</b>	corrosive

## SECTION 6 - TOXICOLOGICAL PROPERTIES

<b>ROUTES OF ENTRY:</b>				
<b>SKIN CONTACT:</b> yes	<b>SKIN ABSORPTION:</b> yes	<b>EYE CONTACT:</b> yes	<b>INHALATION:</b> yes	<b>INGESTION:</b> yes
<b>EFFECTS OF ACUTE EXPOSURE TO PRODUCT:</b>				
<b>INGESTION:</b>	Ingestion of large amounts may cause gastrointestinal irritation characterized by abdominal cramps, nausea and vomiting. Ingestion may also cause headaches, laboured breathing, confusion and dizziness.			
<b>INHALATION:</b>	Repeated exposure to this product can cause respiratory track irritation. Can cause acute pulmonary edema.			
<b>EYE CONTACT:</b>	eye irritation			
<b>SKIN CONTACT:</b>	Contact with skin may cause skin irritation.			
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	NAV			

<b>SYNERGISTIC PRODUCTS:</b>	NAV
<b>IRRITANCY:</b>	mild
<b>TETRAOGENICITY:</b>	no evidence
<b>REPRODUCTIVE HAZARD:</b>	no evidence
<b>SENSITIZATION:</b>	possible skin redning if not washed off affected area
<b>CARCINOGENICITY:</b>	no evidence
<b>MUTAGENICITY</b>	no evidence

## SECTION 7 - PREVENTIVE MEASURES

<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	<i>Hand and eye protection:</i> Wear neoprene or butyl rubber gloves. Wear chemical safety goggles and face shield as splashing may occur. <i>Footwear:</i> Impervious safety boots. <i>Clothing:</i> Long sleeve and pants - no special clothing required. <i>Respirator:</i> Wear respirator to avoid inhalation of vapour.
<b>ENGINEERING CONTROLS:</b>	General mechanical ventilation is adequate.
<b>HANDLING PROCEDURES:</b>	Do not handle unless safety precaution have been read and understood, avoid eye and skin contact. Avoid inhalation of dust or vapours. Do not puncture, drag or slide container.
<b>STORAGE REQUIREMENTS:</b>	Should be stored in its original containers in a cool dry location to minimize product expansion and possible leakage
<b>LEAK AND SPILL PROCEDURES:</b>	Cleanup personnel should wear personal protective equipment as necessary to prevent skin/eye contact. Place into suitable container for reclamation or disposal. Damp mop any residues.

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<b>WASTE DISPOSAL:</b>	Dispose of this product as an industrial fertilizer. Dispose of unsalvageable waste as required by applicable federal, state, and local regulations. Contact your supplier or a licensed chemical waste disposal contractor for treatment and disposal services.
<b>SHIPPING INFORMATION:</b>	Not regulated by TDG

## SECTION 8 - FIRST AID MEASURES

<b>INHALATION:</b>	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped, assist breathing with oxygen. Obtain medical assistance immediately.
<b>SKIN CONTACT:</b>	Thoroughly wash the affected area with mild soap and water for fifteen (15) minutes. Seek medical attention if irritation persists.
<b>EYE CONTACT:</b>	Flush eyes, including under the eyelids, with clean running water for at least fifteen (15) minutes. Seek medical attention if irritation persists.
<b>INGESTION:</b>	Do not attempt to give anything by mouth to unconscious victim. If victim is alert and not convulsing, rinse mouth and give water to dilute material. Do not induce vomiting. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit, rinse mouth. Obtain medical attention immediately.

## SECTION 9 - PREPARATION DATE OF MSDS

<b>PREPARED BY:</b>	105766 Canada Inc.
<b>BUSINESS NUMBER:</b>	450-226-2515
<b>DATE</b>	August 19 2013
<b>ADDITIONAL INFORMATION:</b>	At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled from sources that are believed to be reliable.