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## MATERIAL SAFETY DATA SHEET

<b>IDENTITY</b>						<b>SuperNova<sup>TM</sup></b>
<b>Section I</b>						
Manufacturer's Name <b>AMERICAN HYDROPONICS</b>				Emergency Telephone Number <b>CHEMTREC: 1-800-424-9300</b>		
Address <b>286 South G St. Arcata, California 95521</b>				Telephone Number for Information <b>1-800-458-6543</b>		
				Date Prepared <b>6/1/2008</b>		
<b>Section II - Hazardous Ingredients/Identity Information</b>						
<b>NAME</b>	<b>CAS #</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS RECOMMENDED</b>		
THIS PRODUCT HAS BEEN TESTED AS A WHOLE TO DETERMINE IT'S HAZARDS	NA	ND	ND	245mg/m3		
Recommended NFPA Rating: HEALTH: NE FIRE: NE REACTIVITY: NE <b>THE NFPA RATING HAS NOT BEEN ESTABLISHED FOR THIS PRODUCT</b>						
<b>PA Right-to-Know:</b> This product contains proprietary ingredients.						
This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372 (the corresponding CAS number and typical percent by weights are also provided). NONE						
<b>Section III - Physical/Chemical Characteristics</b>						
Boiling Point	No data available	Specific Gravity (H2O=1)		1.13-1.19 @ 20c		
Vapor Pressure (mm Hg @ 25c)	No data available	Melting Point		No data available		
Vapor Density (AIR=1)	No data available	Evaporation Rate (Butyl Acetate=1)		ND		
Solubility in Water	SOLUBLE	pH @ 20c		6-6.5		
Appearance and Odor	DARK BROWN LIQUID: MODERATE ODOR					
<b>Section IV - Fire and Explosion Hazard Data</b>						
Flash Point	>200f	Flammable Limits	ND	LEL	ND	UEL
Extinguishing Media	FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATERSPRAY OR SAND/EARTH					
Special Fire Fighting Procedures	USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. USE SUPPLIED AIR BREATHING APPARATUS EQUIPMENT. USE WATER SPRAY TO DISPERSE VAPORS.					
Unusual Fire and Explosion Hazards	EVACUATE PEOPLE DOWNWIND FROM FIRE. CONTROL RUNOFF WATER.					

NA - Not Available or Not Applicable  
ND - Not Determined

<b>Section V - Reactivity Data</b>				
Stability	Unstable		Conditions to Avoid EXCESSIVE HEAT AND COLD, SOURCES OF IGNITION	
	Stable	<b>X</b>		
Incompatibility(materials to avoid)		STRONG OXIDIZERS		
Hazardous Decomposition or Byproducts		OXIDES OF CARBON UNDER FIRE CONDITIONS		
Hazardous Polymerization	May Occur		Conditions to Avoid NONE KNOWN	
	Will Not Occur	<b>X</b>		
<b>Section VI - Health Hazard Data</b>				
Route(s) of Entry:	Inhalation?	YES	Skin?	YES
	Ingestion?			YES
Health Hazards (Acute and Chronic)		ORAL TOXICITY: RATS >5050 mg/kg.		
		DERMAL TOXICITY RATS >5050 mg/kg		
		INHALATION TOXICITY: LC50 >2.08 mg/L		
THIS PRODUCT MAY CAUSE EYE IRRITATION				
THIS PRODUCT MAY CAUSE SLIGHT SKIN IRRITATION(RABBITS)				
THIS PRODUCT IS CLASSIFIED AS A NON SKIN SENSITIZER (GUINEA PIG)				
CHRONIC: NO DATA AVAILABLE				
Carcinogenicity:	NTP?	NO	IARC Monographs?	NO
			OSHA Regulated?	NO
Signs and Symptoms of Exposure		NO DATA AVAILABLE		
Medical Conditions Generally		CONTACT MAY CAUSE IRRITATION		
Aggravated by Exposure				
Emergency and First Aid Procedures				
<b>INGESTION:</b> DO NOT INDUCE VOMITING, CALL A PHYSICIAN.				
<b>EYES:</b> IRRIGATE WITH WATER FOR AT LEAST 15 MINUTES, SEEK MEDICAL ATTENTION.				
<b>SKIN:</b> REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER.				
<b>INHALATION:</b> REMOVE VICTIM TO FRESH AIR, CALL A PHYSICIAN				
<b>Section VII - Precautions for Safe Handling and Use</b>				
Steps to be Taken in Case Material is Released or Spilled				
ELIMINATE ALL SOURCES OF IGNITION. DIKE OR IMPOUND TO KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES. ABSORB SPILL WITH INERT MATERIAL, SHOVEL INTO WASTE CONTAINERS. WASH AREA WITH WATER. ABSORB WATER WITH INERT MATERIAL. CONTINUE THIS PROCEDURE UNTIL NO ODOR REMAINS.				
Waste Disposal Method				
DISPOSE OF WASTE AND WASTE CONTAINERS IN ACCORDANCE WITH LOCAL/STATE/FEDERAL REGULATIONS.				
Precautions to be Taken in Handling and Storing				
KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP FROM SOURCES OF IGNITION. DO NOT CONTAMINATE WATER, FOOD, FEED BY STORAGE OR DISPOSAL. FOLLOW GOOD INDUSTRIAL HYGIENE PRACTICES. STORE BETWEEN 40.5 F AND 120.5 F.				
Other Precautions				
KEEP FROM CHILDREN AND ANIMALS. AFTER WORKING WITH THIS PRODUCT, THOROUGHLY CLEAN EQUIPMENT. WASH THOROUGHLY, CHANGE CLOTHING, AND CLEAN PROTECTIVE GEAR.				
<b>Section VIII - Control Measures</b>				
Respiratory Protection				
A RESPIRATOR APPROVED BY NIOSH/MSHA SHOULD BE WORN WHERE VAPOR INHALATION COULD OCCUR.				
Ventilation	Local Exhaust	NA	Special	NA
	Mechanical	PREFERRED	Other	NA
Protective Gloves		CHEMICAL RESISTANT (e.g. rubber)		Eye protection
				CHEMICAL SPLASH GOGGLES
Other Protective Clothing or Equipment				
CHEMICAL RESISTANT APRON, CLEAN BODY-COVERING CLOTHING, BOOTS, HAT				
Work/Hygienic Practices				
PREVENT EATING, DRINKING, TOBACCO USAGE AND COSMETIC APPLICATION TO PREVENT EXPOSURE.				
<p>THE SUBMISSION OF THIS MSDS MAY BE REQUIRED BY LAW BUT THIS IS NOT AN ASSERTION THAT THIS SUBSTANCE IS HAZARDOUS WHEN USED IN ACCORDANCE WITH PROPER SAFETY PRACTICES AND NORMAL HANDLING PROCEDURES.</p> <p><b><u>THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.</u></b></p>				

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