


SECTION 1 IDENTIFICATION	
Company Name	Solutions 4Earth
Address	931 American Pacific Drive, #104
City, State, Zipcode	Henderson, NV 89014
Phone Numbers	855-834-3882
Website	www.solutions4earth.com
Product Identity	HydraFlo
Reference/Item Number	S4EHF02
Intended Use	See technical data sheet.
Application Method	See technical data sheet.

24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)
1-800-424-9300

Poison Control Center (USA)
1-800-222-1212

SECTION 2 HAZARD(S) IDENTIFICATION	
<i>Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:</i>	
[SKIN IRRITANT 3]:	<p>HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)</p>  <p>WARNING</p>
H316: Causes mild skin irritation.	
[EYE DAMAGE 1]:	
H318: Causes serious eye irritation.	
[COMBUSTIBLE LIQUID]:	
H227: Combustible liquid.	
[PREVENTION]:	
P264: Wash thoroughly after handling.	
P280: Wear protective gloves/eye/face protection.	
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
[RESPONSE]:	
P305+351+338: If in eyes, rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.	
P332+313: If skin irritation occurs, get medical advice/attention.	
P337+313: If eye irritation occurs, get medical advice/attention.	
P370+376: In case of fire, stop leak if safe to do so.	
[STORAGE]:	
P403+235: Store in a well-ventilated space. Keep cool.	
[DISPOSAL]:	
P501: Dispose of contents/container in accordance with local/national regulations.	

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS	
<i>This product is labeled with the following GHS classifications, as it contains substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend and the ingredients and mixture percentages are being withheld as confidential business information.</i>	
Ingredient/Chemical Designations	Weight %
Proprietary blend of wetting agents	100
CAS Number	GHS Classification
Proprietary 7	Eye Irrit. 2; H318 / Skin Irrit. 3; H316 / Combustible Liq; H227
Notes	[1] [2]
[1] Substance classified with a health or environmental hazard.	
[2] Substance with a workplace exposure limit.	
[3] PBT-substance or vPvB-substance.	
H316: Causes mild skin irritation.	
H318: Causes serious eye irritation.	
H227: Combustible Liquid	

SECTION 4 FIRST AID MEASURES	
[DESCRIPTIONS]:	
General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes:	Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion:	If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
[MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED]:	
Overview:	No data available. See Section 2 for further details.
Eyes:	Causes serious eye irritation.
Skin:	Causes mild skin irritation.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media:	Recommended extinguishing media: alcohol resistant foam, CO ₂ , powder, water spray. Do not use water jet.
Special Hazards:	Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon, well as smoke and fume. Keep away from heat / sparks / open flames / hot surfaces. No smoking.
Advice For Firefighters:	Evacuate area. Prevent contamination from run-off adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus. Use water-spray to cool fire exposed surfaces and personnel.
ERG Guide No.	----

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Remove sources of ignitions, do not turn lights, or unprotected electrical equipment, on or off. In case of a major spill, or spillage in a confined space, evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit (LEL) before re-entering.
Environmental Precautions:	Do not allow spills to enter drains or water courses.
Methods and Material For Containment and Cleaning Up:	Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in Section 8. Contain and absorb spillage with non-combustible materials (e.g. sand/earth/vermiculite). Place in closed containers outside buildings and dispose of according to the Waste Regulations (see Section 13.) Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or water courses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams, or lakes, the Environmental Protection Agency should also be informed.

SECTION 7 HANDLING AND STORAGE

Precautions For Safe Handling:	Handle containers carefully to prevent damage and spillage. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before reuse. Destroy contaminated belts and shoes and other items that cannot be decontaminated. See Section 2 for further details [PREVENTION].
Conditions For Safe Storage:	Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles. Store at ambient or lower temperature. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect containers against physical damage. See section 2 for further details. [STORAGE].
Incompatible Materials:	Strong acids. Strong bases. Strong oxidizers.
Specific End Use(s):	See technical data sheet.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with established limits for exposure are listed below:

Exposure Data:	CAS No.	Ingestion	Source	Value
	0000056-81-5	Glycerol	OSHA	TWA: 15 mg/m3 (total), TWA: 5 mg/m3 (resp)
			ACGIH	TWA: 3 mg/m3 (resp), TWA: 10 mg/m3 (mist)
			NIOSH	No established RELs
Exposure Data:	CAS No.	Ingestion	Source	Value
	0000071-36-3	Butan-1-01	OSHA	TWA: 100 ppm (300 mg/m3)
			ACGIH	TWA: 15 ppm; Ceiling: 30 ppm
			NIOSH	C 50 ppm (150 mg/m3) [skin]
Exposure Data:	CAS No.	Ingestion	Source	Value
	0034590-94-8	(2-methoxymethylethoxy)propanol	OSHA	TWA: 100 ppm (600 mg/m3) [skin]
			ACGIH	TWA: 100 ppm STEL: 150 ppm [skin]
			NIOSH	TWA: 100 ppm (600 mg/m3) ST 150 ppm (900mg/m3) [skin]
Carcinogen Data:	This product contains no ingredients that are suspected of being or known to be a carcinogen under OSHA, NTP or IARC.			

[EXPOSURE CONTROLS]:

Respiratory:	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
Eyes:	Wear safety eyewear (e.g. safety spectacles/goggles/visors) to protect against the splash of liquids.
Skin:	Overalls, which cover the body, arms, and legs, should be worn. Skin should not be exposed. All parts of the body should be washed after contact.
Engineering Controls:	Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates, and any vapor below occupational exposure limits, suitable respiratory protection must be worn.
Other Work Practices:	No additional information. See Section 2 for further details [PREVENTION].

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear liquid	Upper Flammability Limits:	Upper Explosive Limit: Not measured
Odor:	Not determined	Lower Flammability Limits:	Lower Explosive Limit: Not measured
Odor Threshold:	Not measured	Vapor Pressure (Pa):	Not measured
pH:	7-8	Vapor Density:	Heavier than air
Melting/Freezing Points (°C):	Not measured	Solubility in Water:	Not measured
Initial Boiling Point/Range (°C):	No Established Limit (C) / No Established Limit (F)	Partition Co-efficient n-octanol/water (Log Kow):	Not measured
Flash Point:	>69°C / >157°F Tagged Closed Cup (TCC)	Auto-Ignition Temperature (°C):	Not measured
Evaporation Rate (Ether=1):	Not measured	Decomposition Temperature:	Not measured
Flammability (Solid, Gas):	Not applicable	Viscosity (cSt):	Not measured
Specific Gravity @ 20°C	1.08	VOC %:	Not measured
Other Information:	No other relevant information.	Density, g/ml @ 25°C:	Not measured

SECTION 10**STABILITY AND REACTIVITY**

Reactivity:	This product is chemically stable. Hazardous polymerization will not occur.
Chemical Stability:	Stable under normal handling conditions.
Hazardous Reactions:	No hazardous reactions under normal storage and handling conditions.
Conditions To Avoid:	Strong acids. Strong bases. Strong oxidizers. Extreme heat/open flame/sparks and other sources of ignition.
Incompatible Materials:	Strong acids. Strong bases. Strong oxidizers.
Hazardous Decomposition Prod.:	Oxides of carbon.

SECTION 11**TOXICOLOGICAL INFORMATION**

Acute Toxicity:	Ingredients	Oral LD50 mg/kg	Skin LD50mg/kg	Inhalation Vapor/Dust/Mist LD50mg/L/4hr
	Proprietary Blend	>5,000.00 (Rat) Category NA	>5,000 (Rabbit) Category NA	No data available
Category --:	Item: Acute Toxicity (mouth) / Hazard: Not applicable.			
Category --:	Item: Acute Toxicity (skin) / Hazard: Not applicable			
Category --:	Item: Acute Toxicity (inhalation) / Hazard: Not applicable.			
Category 3:	Item: Skin Corrosion/Irritation / Hazard: Causes mild skin irritation.			
Category 2:	Item: Eye Damage/Irritation / Hazard: Causes serious eye irritation.			
Category --:	Item: Sensitization (respiratory) / Hazard: Not applicable.			
Category --:	Item: Sensitization (skin) / Hazard: Not applicable.			
Category --:	Item: Germ Toxicity / Hazard: Not applicable.			
Category --:	Item: Carcinogenicity / Hazard: Not applicable.			
Category --:	Item: Reproductive Toxicity / Hazard: Not applicable.			
Category --:	Item: Specific Target Organ Systemic Toxicity (single exposure) / Hazard: Not applicable.			
Category --:	Item: Specific Target Organ Systemic Toxicity (repeated exposure) / Hazard: Not applicable.			
Category --:	Item: Aspiration Hazard / Hazard: Not applicable.			

SECTION 12**ECOLOGICAL INFORMATION**

Toxicity:	No additional information provided for this product. See Section 3 for chemical specific data.
Aquatic Ecotoxicity:	This product is not expected to be toxic to the aquatic environment.
Persistence and Degradability:	There is no data available on the preparation itself.
Bioaccumulative Potential:	Not measured.
Mobility in Soil:	No data available.
Results of PBT and vPvB Assess:	This product contains no PBT/vPvB chemicals.
Other Adverse Effects:	No data available.

SECTION 13**DISPOSAL CONSIDERATIONS**

Waste Treatment Methods:	Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.
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SECTION 14**TRANSPORT INFORMATION**

UN Number:	NA 1993	
UN Proper Shipping Name:	NA 1993 Combustible Liquid, N.O.S. (contains butanol and dipropylene glycol methyl ether), 3, PG III	
	Not regulated for transport by DOT if quantity is LESS than 119 gallons. The following applies to shipments GREATER than 119 gallons.	
Transport Hazard Class(es):	DOT (Domestic Surface Transportation):	IMO/IMDG (Ocean Transportation):
	DOT Proper Shipping: See UN Proper Shipping Name above	IMDG Proper Shipping Name: N/A
	DOT Hazard Class: 3	IMDG Hazard Class: N/A
	DOT Label: 3	Sub Class: Not applicable
	UN/NA Number: NA 1993	IMDG Packing Group: N/A
	DOT Packing Group: III	IATA (Air):
	CERCLA/DOT RQ: NA gal. / NA lbs.	IMDG Proper Shipping Name: N/A
Special Precautions For User:	Not applicable	IMDG Hazard Class: 3
Transport:	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable	
Environmental Hazards IMDG:	Marine Pollutant: No	
Packing Group:	III	

SECTION 15**REGULATORY INFORMATION****Regulatory Overview:**

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) inventory or are not required to be listed on the TSCA inventory.

WHMIS Classification:

B3 D2B

US EPA Tier II Hazards:Fire: Yes / Sudden Release of Pressure: No / Reactive: No / Immediate (acute): Yes / Delayed (chronic): No**EPCRA 311/312:**

Chemicals and RQs (>0.1%): Butan-1-01

EPCRA 302:

Extremely Hazardous (>0.1%): No product ingredients listed

EPCRA 313

Toxic Chemicals (>0.1%): Butan-1-01

Proposition 65

Carcinogens (>0.0%): No product ingredients listed

Proposition 65:

Developmental Toxins (>0.0%): No product ingredients listed

Proposition 65:

Female Repro Toxins (>0.0%): No product ingredients listed

Proposition 65:

Male Repro Toxins (>0.0%): No product ingredients listed

N.J. RTK Substance (>1%):

(2-methoxymethylethoxy)propanol, Butan-1-01, Glycerol, Propanediol

Penn RTK Substances (>1%):

(2-methoxymethylethoxy)propanol, Butan-1-01, Glycerol, Propanediol

SECTION 16**OTHER INFORMATION**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.