


NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	2	Health		
2	Moderate	2	Flammability		
3	High	0	Reactivity		
4	Severe				

Not Regulated by U.S. DOT as a hazardous material for ground shipping in packages with a capacity less than 119 gallons. For packaging greater than 119 gallons. See Section 14 for additional information.

SECTION 1: IDENTIFICATION	
Product Name:	Valcheck® Foam Marker
EPA Registration #:	NA
Product ID/Unity #:	NA
Common Name:	Foam Marker
Chemical Description:	Agricultural Foam Marker
Recommended Uses:	See product label for recommended uses
Restrictions for Use:	See product label for use restrictions
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: This product is considered hazardous according to GHS 2012 with physical and health hazards.	
POTENTIAL HEALTH EFFECTS: Eyes: Category 2, Causes serious eye damage Skin: Category 2, Causes skin irritation	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: COMBUSTIBLE LIQUID	
SIGNAL WORD: WARNING	
HAZARD STATEMENTS: Combustible Liquid. Causes serious eye damage. Causes skin irritation.	
PRECAUTIONARY STATEMENTS:	
Prevention:	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wash thoroughly after handling. Wear protective gloves/eye protections/face protection.
Response:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: Get medical advice/attention. Take of contaminated clothing and wash before reuse.
Storage:	Store in a well-ventilated place. Keep away from heat, ignition sources or fire.
Disposal	Dispose of contents/container in accordance with local/national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is labeled with the following GHS classification, 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. In accordance with paragraph (i) of § 1910.1200, the specific chemical identity and/or exact percentage (concentrate) of composition has been withheld as a trade secret.

Ingredient	Notes	% (wt)	CAS Reg. #
2-methylpentate-2,4-diol	1,2	1.0-10	107-41-5
2-butoxyethanol	1,2	1.0-10	111-76-2
Proprietary Surfactant	1	1.0-10	
Proprietary Solvent	1	1.0-10	

*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).

¹ Substance classified with a health or environmental hazard.

² Substance with a workplace exposure limit.

See Section 8 for exposure limits.

SECTION 4: FIRST AID MEASURES

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 coconscious place in the recovery position and obtain immediate medical attention. Gave nothing my mouth.

Ingestion: If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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.

SECTION 5: FIRE FIGHTING MEASURES

Evacuate area.

Suitable Extinguishing Media: Recommend extinguishing media, alcohol resistant foam, CO², powder, water spray. DO NOT use water jet.

Special Fire Fighting Procedures: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Prevent contamination from run off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Use water spray to cool fire exposed surfaces and personnel. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Hazardous Combustion Products: Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Unusual Fire and Explosion Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep all sources of ignition away from spill/release. In case of a major spill or spillage in a confined space evacuate the area and check vapor levels. Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Environmental Precautions: Do not allow spills to enter drains or watercourses.

Methods for Containment and Clean up: Ventilate the area and avoid breathing vapors or mists. Take the personal protective measures listed in Section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations (see Section 13). Clean, preferable with a detergent. Do not use solvents. Do not allow spills to enter drains or watercourses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contaminated rivers, streams or lakes, the Environmental Protection Agency should also be informed.

Other Information:

SECTION 7: HANDLING AND STORAGE

Handling: 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 re-use. Destroy contaminate belts, shoes and other items that cannot be decontaminated. See Section 2 (Prevention) for further details.

Storage: Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles. Incompatible materials: Oxidizing agents. See Section 2 (Storage) for further details.

Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Component:	OSHA PEL	ACGIH TLV	NIOSH REL
2-methylpentane-2,4-diol	No established limit	Ceiling: 25ppm	C: 25ppm (125mg/m ³)[skin]
2-butoxyethanol	TWA 50ppm (240mg/m ³) [skin]	TWA: 20ppm (revd 2003)	TWA 5ppm (24mg/m ³) [skin]

Respiratory Protection: If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Engineering Controls: **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.
If local exhaust is not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable, respiratory protection must be worn.

Protective Gloves: Wear chemically protective gloves.

Eye Protection: Wear safety eyewear, e.g. safety spectacles, goggles, or visors to protect against the splash of liquids.

Other Protective Clothing or Equipment: 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.

Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity (H₂O=1):	1.02 – 1.04 @ 20°C
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	8.51 – 8.67 9lbs/gal
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Not determined	Boiling Point/Range:	Not determined
Viscosity:	Not determined	pH:	7-9 (1% aqueous dilution)
Appearance and odor:	Clear, sweet	Flash Point:	176°F (80°C: SETA FLASH CLOSED CUP)

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not chemically reactive

Chemical Stability: Stable under normal ambient and anticipated conditions of use.

Possibility of Hazardous Reactions: Hazardous reaction not anticipated.

Conditions to Avoid: Extended exposure to high temperatures can cause decomposition. Avoid all possible sources of ignition.

Incompatible Materials: Oxidizing agents

Hazardous Decomposition Products: Not anticipated under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

Oral LD50 mg/kg: >2,000

Skin LD50 mg/kg: >2,000

Inhalation Vapour LC50 mg/L/4hr: >20.0

Inhalation, Dust/Mist LC50 mg/L/4hr: >11.0	
Eye Damage/Irritation:	Cat 2; Causes serious eye irritation
Skin Corrosion/Irritation:	Cat 2; Causes skin irritation
Acute Inhalation Effects:	Not determined
Acute Oral Effects:	Not determined
Specific Target Organ Toxicity:	Not determined
CHRONIC TOXICITY	
Chronic Effects:	Not determined
Carcinogenicity:	Not determined
Mutagenicity:	Not determined
Teratogenicity:	Not determined
Reproductive Toxicity:	Not determined
POTENTIAL HEALTH EFFECTS:	
Causes serious eye damage.	
Causes skin irritation	

SECTION 12: ECOLOGICAL INFORMATION	
ENVIRONMENTAL SUMMARY: No data available	
ECOTOXICITY DATA:	
Fish Acute and Prolonged Toxicity:	No data available
Aquatic Invertebrate Acute Toxicity:	No data available
Aquatic Plant Toxicity:	No data available
Bird Acute and Prolonged Toxicity:	No data available
Honeybee Toxicity:	No data available
ENVIRONMENTAL EFFECTS:	
Soil Absorption/Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative Potential:	No data available
Other adverse effects:	

SECTION 13: DISPOSAL CONSIDERATIONS	
Waste: Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with applicable 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. Dispose of contents in accordance with local and national regulations.	
RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.	

SECTION 14: TRANSPORT INFORMATION	
DOT: (Ground)	NA1993, Combustible Liquids, N.O.S. (ethylene glycol monobutyl ether); Combustible Liquid, PG III (Placard Bulk)
IMDG: (Sea)	Not regulated
IATA: (Air)	Not determined
TDG: (Canada)	Not determined

Section 15—Regulatory Information		
TSCA Inventory: All ingredients of this product are listed on the TSCA (Toxic Substance Control Act)		
SARA Title III Information:		
Section 302 - Extremely hazardous substances: To the best of our knowledge, this product does not contain any chemicals at levels which require reporting under this statute.		
Section 311/312 – Hazard Categories: To the best of our knowledge, this product does not contain any chemicals at levels which require reporting under this statute.		
Section 313 – The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372: 2-butoxyethanol		
CERCLA - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): Diethanolamine (100lbs/kg, spills >13000lbs)		
California Proposition 65: This product contains the chemical Diethanolamine which is known to the State of California to be a carcinogen.		
U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):		
Chemical Name	CAS #	State(s)
2-butoxyethanol		NJ, PA
2-methylpentane-2, 4-diol		NJ, PA
Canadian Domestic Substances List:		
Chemical Name	CAS #	
Not for distribution in Canada		
WHMIS Classification: B3 D2B		

Section 16—Other	
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