


NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	2	Health	Not Regulated for ground transportation by US DOT	
2	Moderate	1	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
Product Name:	VALCHECK 80/20
Common Name:	Agricultural Adjuvant
Chemical Description:	Agricultural Adjuvant
Recommended Uses:	Adjuvant – See product label for full directions for use.
Restrictions for Use:	See product label for any potential 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			
PHYSICAL HAZARDS: Combustible liquid (Cat 4)			
HEALTH EFFECTS: Eyes: Causes serious eye damage (Cat. 2b) Dermal: May be harmful in contact with skin (Cat 5) Inhalation: May be harmful if inhaled (Cat 5) Ingestion: Harmful if swallowed (Cat 4) Skin Irritation: Causes mild skin irritation (Cat 3)			
Carcinogenicity	NTP: Not listed	IARC: Not listed	OSHA: Not listed
SIGNAL WORD: WARNING			
HAZARD STATEMENTS: KEEP OUT OF REACH OF CHILDREN			
<p>Keep away from heat and hot surfaces, sparks, open flames and other ignition sources No smoking. Causes serious eye damage. Causes mild skin irritation. Harmful if swallows. May be harmful if in contact with skin or inhaled. Do not get on skin, in eyes, or on clothing. Do not eat, drink, or smoke while using this product. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Take off contaminated clothing and wash before reuse. Read and understand the entire Safety Data Sheet (SDS), Directions for Use, and Notice of Warranty before using this product.</p>			

PRECAUTIONARY STATEMENTS:**Prevention: Precautionary Statements:**

General: If medical advice is needed, have product container or label at hand. Read label before use. Avoid breathing fumes, mist, vapors, or spray. Wash hands, face, and other affected areas thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves / protective clothing / eye protection / face protection. Avoid release to the environment.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor / physician / seek medical attention if you feel unwell. Rinse mouth.

IF ON SKIN: Call a POISON CENTER or doctor / physician / seek medical attention if you feel unwell. Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water.

IF SKIN IRRITATION OCCURS: get medical advice or attention.

IF INHALED: Call a POISON CENTER / doctor / seek medical attention if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: Get medical advice / attention.

Storage:

See Section 7 for storage information.

Disposal:

See Section 13 for disposal information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
*Proprietary blend of surfactants and formulation aids	100.0%	N/A
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES

INHALATION:	After vapor exposure, remove to fresh air. Call a physician if breathing difficulties or irritation persists.
INGESTION:	Call a poison control center or doctor immediately for treatment advice. Have the person rinse mouth with water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
SKIN:	Remove contaminated clothing. Rinse skin with plenty of soap and water for 15-20 minutes. Call a doctor /physician if irritation occurs.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use water spray, dry foam chemical, or carbon dioxide (CO ₂)
SPECIAL FIRE FIGHTING PROCEDURES: Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Use water spray/fog for cooling containers and firefighters. Minimize run off if possible. Notify proper authorities if liquid material enters the sewer or public waters.
FIRE FIGHTING EQUIPMENT: As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance.
Methods for Containment and Clean up: Ventilate area before attempting cleanup. Absorb spilled liquid with polypads or other absorbent materials. Clean up with non-combustible absorbent (such as sand or soil). Shovel up and place all spill residue in suitable containers. Use detergent if needed. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

Personal Protective Equipment: For incidental releases use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations.

Spill and Leak Response: Uncontrolled releases should be responded to by trained professionals using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

SECTION 7: HANDLING AND STORAGE

Handling: Follow all SDS / label precautions when using this product. Do not reuse the container.

Storage: Store in a cool, dry, well ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

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

Respiratory Protection: Avoid high concentrations of vapor and/or mist. Use local exhaust if available or use NIOSH/MSHA approved organic vapor respirator, as necessary.

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. Facilities storing or utilizing this material should be equipped with an eyewash station, safety shower, and adequate ventilation.

Skin Protection: Clean, body covering clothing and impervious gloves such as neoprene should be used.

Eye Protection: Wear OSHA standard chemical splash goggles or safety glasses.

Other Protective Clothing or Equipment:

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 – 1.08 g/cm ³ (g/ml) (@25°C)
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	8.1 – 9 lbs/gal
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Soluble	Boiling Point/Range:	Not determined
Kinematic Viscosity:	80-90 (mm ² /s) at 40°C	pH:	4-7
Appearance and odor:	Clear, amber, alcohol odor	Flash Point:	>60°C (140°F)

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Combustion may produce carbon oxides and other hazardous gases.

Chemical Stability: Stable at ambient temperatures and atmospheric pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid strong acids, bases and oxidizing agents

Incompatible Materials: Not determined

Hazardous Decomposition Products: Combustion may yield carbon oxides and other hazardous gases

SECTION 11: TOXICOLOGICAL INFORMATION**ACUTE TOXICITY:** Acute based on componentsOral LD₅₀ – Rat - >1,300 mg/kgDermal LD₅₀ – Rabbit - >2,000 mg/kg**Eye Effects:** Contact with product may cause irritation to eyes including redness, tearing, blurred vision and discomfort. Prolonged contact causes excess redness, swelling and chemical burns.**Skin Effects:** Brief contact with product is non-irritating. Prolonged exposure may cause discomfort and local redness. Absorption through skin increases exposure.**Acute Inhalation Effects:** Inhalation may irritate the respiratory tract causing nasal discomfort, chest pain, and coughing.**Acute Oral Effects:** Swallowing can cause severe abdominal irritation, nausea, vomiting and diarrhea. Do not taste or swallow product.**Specific Target Organ** Single: No data available**Toxicity:** Repeated: No data available**CHRONIC TOXICITY****Chronic Effects:** No data available**Carcinogenicity:** No data available**Mutagenicity:** No data available**Teratogenicity:** No data available**Reproductive Toxicity:** No data available**POTENTIAL HEALTH EFFECTS:****Eyes:** Cat 2b – Causes eye irritation**Dermal:** Cat 5 – May be harmful in contact with skin**Inhalation:** Cat 5 – may be harmful if inhaled**Ingestion:** Cat 4 – harmful if swallowed**Skin Irritation:** Cat 3 – causes mild skin irritation**SECTION 12: ECOLOGICAL INFORMATION****ENVIRONMENTAL SUMMARY:**LC₅₀, 72 Hours – Algae - >1 mg/LEC₅₀, 48 Hours – Daphnia magna - >1 mg/LLC₅₀, 96 Hours – Fish - >1mg/L**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:** No data available**SECTION 13: DISPOSAL CONSIDERATIONS****Disposal Method:** Dispose of aqueous solutions, consultation with local treatment plant staff is recommended (and may be required by law) before disposal. For disposal of unused product, incinerate in a furnace where permitted under Federal, State and Local regulations. Do not contaminate water, food, or feed by disposal.**Product Disposal:** Disposal of contents/container must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules.)**Empty Container:** Empty containers should be recycled or disposed of through an approved waste management facility.**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)	NON-BULK: Not regulated for US Transport; BULK – per 49 CFR 173.120.b.1, product does not sustain combustion using the procedure established in Appendix H of 49 CFR 173; therefore, product does not meet the definition of Class 3 liquid and is not subject to the DOT requirements for a Class 3 liquid. Product is not regulated.
IMDG: (Sea)	Not determined
IATA: (Air)	Not determined
TDG: (Canada)	Not determined

SECTION 15—REGULATORY INFORMATION

TSCA Inventory: All components are listed on the TSCA inventory.

SARA Title III Information:

Section 302/304 - Extremely hazardous substances: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Section 311/312 - Hazard Categories: Acute Eye – Cat 2B; Acute Skin Irritation – Cat 3; Acute oral – Cat 4

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:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

CERCLA - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

No component reportable quantities could be met with any practical quantity of product.

California Proposition 65: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):

Chemical Name	CAS #	State(s)

Canadian Domestic Substances List:

Chemical Name	CAS #
Not determined	

TRACE ELEMENTS: Trace ingredients (if any) are present in < 1% concentration (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute a significant additional hazard at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), US State equivalents, and Canadian Hazardous Material Identification System Standard (CPR 4).

WHMIS Classification: Not determined

SECTION 16—OTHER

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