

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

PRODUCT NAME: Onward
DESCRIPTION: Agricultural Adjuvant

MANUFACTURED FOR: AgXplore International, LLC.
7035 State Hwy D
Parma, Missouri, USA, 63870

Telephone: (573) 357-4506

EMERGENCY CONTACT: In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals – call CHEMTREC (800) 424-9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification(s):

Oral	Category 4
Dermal	Category 4
Inhalation	Category 4
Skin corrosion/irritation	Not an irritant
Eye damage/irritation	Not an irritant
Skin sensitizer	Not a sensitizer

GHS Hazard Symbols:



Signal Word: WARNING

Hazard Statements:
H332 Harmful if inhaled

Precautionary Statements:

Prevention:

P261 Avoid breathing fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.
P264 Wash thoroughly after handling.

Response:

P304+P340+P312 If inhaled: Remove victim to fresh air and keep comfortable for breathing.
Call a poison center or doctor/physician, if you feel unwell.

Storage:

None

Disposal:

None

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Amount
Kinetin	525-79-1	0.12%
Choline chloride	67-48-1	2%
Gamma aminobutyric acid	56-12-2	1%
*Other ingredients		96.88%

*Ingredients not specifically listed are non-hazardous or are to be considered proprietary or confidential business information per 29 CFR 1910.1200 (i)

SECTION 4. FIRST AID MEASURES**Description of first aid measures:**

General advice: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin Contact: Immediately flush skin with plenty of soap and water. If unable to wash immediately or tingling, numbness or a burning sensation develops apply skin cream or an oil-based solution to the affected area. If irritation persists, get medical attention.

Ingestion: Provided the patient is conscious, wash out mouth with water. Immediately contact medical personnel or an emergency facility. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in vomitus, rinse mouth and administer water.

Inhalation: Move person to fresh air. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Obtain medical attention.

Most Important Symptoms/Effects, Acute and Delayed:

None

Get medical attention if symptoms occur.

SECTION 5. FIREFIGHTING MEASURES**Suitable Extinguishing Media:**

Use dry sand, dry chemical or alcohol foam. Do not use water jet as this will spread the fire.

Special Protective Equipment and Precautions for Fire-Fighters: Wear protective clothing including NIOSH-approved self-contained breathing apparatus.

Special Hazards Arising from the Chemical:

No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid breathing vapors, mist or gas and contact with skin or eyes. For personal protection see Section 8.

Environmental Precautions: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

Methods and Materials for Containment and Clean Up: Large spills: stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal, flush contaminated area thoroughly with water. Small spills: wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Keep in suitable closed containers for disposal.

Refer to other sections: For disposal, see section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid inhalation of mists, vapors/spray, and contact with eyes, skin, and clothing. Do not breathe mists or vapor. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking, and/or smoking.

Conditions for Safe Storage, Including any Incompatibilities: Store in original container. Keep container tightly closed when not in use. Store in a cool, dry, locked place out of the reach of children and out of direct sunlight.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control Parameters:**

No data available

Engineering Controls: Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

Individual Protection Measures (PPE):

Eye/Face Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of

contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place.

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Other Protective Equipment: Eye-wash station. Safety shower. Protective clothing.

General Hygiene Conditions: Wash with soap and water before meal times and at the end of each work shift. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Odor	No detectable odor
Color	Colorless
pH (neat)	3.55 (1% w/v, 25°C)
Freezing Point	Not Determined
Melting Point	Not Determined
Boiling Point / Range	Not Determined
Specific Gravity (25°C)	1.04 at 20°C
Flash Point	Not Determined
Solubility in Water	Soluble
Viscosity	375.34 cSt (20 °C)
Odor Threshold	Not Determined
Evaporation Rate	Not Determined
Upper / Lower Flammability Limits	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not Determined
Partition Coefficient	Not Determined
Auto-Ignition Point	Not Determined
Decomposition Temperature	Not Determined
Density	10.5 lbs/gal

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Stable
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	No data available
Conditions to Avoid:	No data available
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	No data available
In the event of fire:	See Section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral:	LD50 > 5000 mg/kg (rats)
Acute Dermal:	LD50 > 5000 mg/kg (rats)
Acute Inhalation:	LC50 > 2.06 mg/L (rats)
Dermal Irritation:	Non-irritating (rabbits)
Eye Irritation:	Practically non-irritating (rabbits)
Dermal Sensitization:	Not a contact sensitizer (mice)
Germ Cell Mutagenicity:	No Data Available
Carcinogenicity:	No Data Available
Reproductive Toxicity:	No Data Available
Specific Target Organ Toxicity:	No Data Available
Aspiration Hazard:	No Data Available

SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING: (0-4): No data available for this product.

Aquatic Acute Toxicity: No data available for this product.

DEGRADABILITY: No data available for this product.

BIOACCULULATION FACTOR (BCF): No data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: NA

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. If possible recover the product, otherwise dispose of in authorized landfill. **AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.**

SECTION 14. TRANSPORT INFORMATION

No data available.

SECTION 15. REGULATORY INFORMATION

This product is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the

classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Hazard to humans and domestic animals.

SECTION 16. OTHER INFORMATION

Date of Preparation: 3/31/2019

The information above is believe to be accurate and represents the best information currently available to us.

However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

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