

Section 1: Company and Product Identification

Product Name:	IMPRESS™	General Product Description:
Product Code:	AC-IMIBC	IMPRESS is designed to improve the coverage and retention of seed treatments on the treated seed when mixed as an additive with EPA registered seed treatments such as fungicides and insecticides.
Company:	Agrilead, Inc. 441 E. Lucas Street Russell, KS 67665 PH: 785-483-5000	
Emergency Response:	INFOTRAC 800-535-5053	

Section 2: Hazards Identification

GHS07

Hazard Pictograms:	
Signal Word:	Warning
Hazard Category:	Serious eye damage/eye irritation Cat 2 Skin corrosion/irritation Cat 3
Hazard Statements:	H319: Causes serious eye irritation H316: Causes mild skin irritation
Precautionary Statements:	[PREVENTION] P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection [RESPONSE] P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P302+352: IF ON SKIN: Wash with soap and water P332+313: If skin irritation occurs: Get medical advice/attention P337+313: If eye irritation persists get medical advice/attention [STORAGE] P404: Store in a closed container P403+235: Store in a well ventilated place. Keep cool [DISPOSAL] P501: Dispose of contents/container in accordance with local/regional/national/international rules.
Hazards not otherwise classified:	Not applicable, none known.

Section 3: Composition / Information on Ingredients

This product is a proprietary blend and the ingredients and mixture percentages are being withheld as confidential business information.

Hazardous substance (name)	Hazard Category	CAS#	Weight %
----------------------------	-----------------	------	----------

Proprietary blend of surfactants and solvent	Skin Irrit. 3; H316 Skin Sens. 1; H17	proprietary	100
<i>Note: This product contains a substance with a health or environmental hazard and a substance with a workplace limit.</i>			

Section 4: First Aid Measures

General Info: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Notable Exposure symptoms: Causes eye irritation. Causes mild skin irritation.

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

If inhaled: 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.

Eye contact: Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

Skin contact: 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

General Info: Evacuate area. Prevent contamination from run-off of 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. Product emulsifies in water.

Extinguishing Method / Equipment: Recommended extinguishing media: alcohol resistant foam, CO2, powder, water spray. Do not use water jet.

Hazardous Decomposition Info: Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon as well as smoke and fume.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and 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.

Containment Equipment and Procedures: Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in Section 8. Do not allow spills to enter drains or water courses. 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.) 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.

Cleanup Procedures: Collect all contaminated clay, media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, clean, preferably with a detergent. Do not use solvents.

Section 7: Handling and Storage

Safe Handling Precautions: 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. Keep away from excessive heat and flame. See Section 2 for further details [PREVENTION].

Recommendations for Storage: Handle containers carefully to prevent damage and spillage. Store in tightly closed container in dry, well-ventilated area away from excessive heat and incompatibles. Store at ambient or lower temperature. Protect containers against physical damage. See Section 2 for further details [STORAGE].

Incompatibilities: Store away from strong acids or oxidizing agents.

Section 8: Exposure Control / Personal Protection

General / 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.

Work Clothing: Protective work clothing which covers skin and prevents exposures.

Eye/face protection: Wear safety eyewear (e.g. safety spectacles/goggles/visors) to protect against the splash of liquids.

Skin Protection: 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.

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

Additional Information: Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. Contains mineral oil. The exposure limits for oil mist are 5mg/m3 OSHA PEL, and 10 mg/m3 ACGIH. See Section 2 for further details [PREVENTION].

Carcinogen Data: This product contains no ingredients that are suspected of being or known to be a carcinogen under OSHA, NTP, or IARC at greater than 0.1%.

Substances with Exposure Limits	CAS#	OSHA	ACGIH	NIOSH
(2-methoxymethylethoxy) propanol	0034590-94-8	TWA 100 ppm (600 mg/m3) skin	TWA 100 ppm STEL: 150 ppm skin	TWA 100 ppm (600 mg/m3) ST 150 ppm (900 mg/m3) skin

Section 9: Physical and Chemical Properties

State: Clear Liquid	Melting Point: Not Measured	Freezing Point: < -17°C / 0°F
Color: Amber	Boiling Point/Range: No established limit.	pH 4-6
Sp Grav: .94 (7.8 lb/g)	Odor: Fatty	Water Solubility: Emulsifies
Evaporation rate: >1	Flash Point: >93°C / >200°F (TCC)	Part. Coeff (n-octanol/water) Not Measured
Upper Flam Limits: Not Measured	Lower Flam Limits: Not Measured	Vapor Pressure: Not Measured
VOC Content (lbs/gal): Not Measured	Viscosity: Not Measured	Autoignition Temp: Not Measured

Section 10: Stability and Reactivity

General: This product is stable and non-reactive under normal conditions of use. 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.

Decomposition products: Thermal decomposition in the presence of air produces oxides of carbon and nitrogen.

Section 11: Toxicological Information

Toxicological Information (contained substances)

Hazardous substance (name)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
Proprietary Blend	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	Not Determined	NA

Category 3: Item: Skin Corrosion/Irritation / Hazard: Causes mild skin irritation.

Category 2: Item: Eye Damage/Irritation / Hazard: Causes eye irritation.

Section 12: Ecological Information

General information: No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic toxicity: This product is not expected to be toxic to the aquatic environment.

Degradation / Mobility info: There is no data available on the preparation itself.

Bioaccumulative potential: Not measured.

Results of PBT and vPvB Assess: This product contains no PBT/vPvB chemicals.

Section 13: Disposal Information

Product disposal: 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.

Section 14: Transport Information

UN Number: Not applicable.

UN Proper Shipping Name: Not regulated.

Transport Hazard Class (es): Not regulated by DOT for domestic surface transportation. Not Regulated IMO/IMDG for ocean transportation.

OTHER: Is not a marine pollutant per Environmental Hazards IMDG.

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: D2B

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

EPCRA 311/312: Chemicals and RQs (>0.1%): No product ingredients listed

EPCRA 302: Extremely Hazardous (>0.1%): No product ingredients listed

EPCRA 313: Toxic Chemicals (>0.1%): No product ingredients listed

Proposition 65: Carcinogens (>0.0%): 1-4 dioxane; no other product ingredients listed.

N.J. RTK Substance (>1%): All substances in product are listed on the DSL.

Penn RTK Substances (>1%): (2-methoxymethylethoxy) propanol

(add or delete rows as necessary) (2-methoxymethylethoxy) propanol

Section 16: Other Information

SDS Author: Agrilead, Inc. Regulatory Manager

Version Date:

7/6/2015

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.

Section 1: Company and Product Identification

Product Name:	IMPRESS™ iR	General Product Description:	
Product Code:	AC-IMIRIBC		
Company:	Agrilead, Inc. 441 E. Lucas Street Russell, KS 67665 PH: 785-483-5000		IMPRESS™ iR is designed to improve the coverage and retention of seed treatments and impart a red color on the treated seed when mixed as an additive with EPA registered seed treatments such as fungicides and insecticides.
Emergency Response:	INFOTRAC 800-535-5053		

Section 2: Hazards Identification

GHS07

Hazard Pictograms:	
Signal Word:	Warning
Hazard Category:	Serious eye damage/eye irritation Cat 2 Skin corrosion/irritation Cat 3
Hazard Statements:	H319: Causes serious eye irritation H316: Causes mild skin irritation
Precautionary Statements:	[PREVENTION] P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection [RESPONSE] P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P302+352: IF ON SKIN: Wash with soap and water P332+313: If skin irritation occurs: Get medical advice/attention P337+313: If eye irritation persists get medical advice/attention [STORAGE] P404: Store in a closed container P403+235: Store in a well ventilated place. Keep cool [DISPOSAL] P501: Dispose of contents/container in accordance with local/regional/national/international rules.
Hazards not otherwise classified:	Not applicable, none known.

Section 3: Composition / Information on Ingredients

This product is a proprietary blend and the ingredients and mixture percentages are being withheld as confidential business information.

Hazardous substance (name)	Hazard Category	CAS#	Weight %
----------------------------	-----------------	------	----------

Proprietary blend of surfactants, solvent, and red pigments in an aqueous emulsion.	Skin Irrt. 3; H316 Skin Sens. 1; H17	proprietary	100
<i>Note: This product contains a substance with a health or environmental hazard and a substance with a workplace limit.</i>			

Section 4: First Aid Measures

General Info: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Notable Exposure symptoms: Causes eye irritation. Causes mild skin irritation.

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

If inhaled: 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.

Eye contact: Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

Skin contact: 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

General Info: Evacuate area. Prevent contamination from run-off of 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. Product emulsifies in water.

Extinguishing Method / Equipment: Recommended extinguishing media: alcohol resistant foam, CO2, powder, water spray. Do not use water jet.

Hazardous Decomposition Info: Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon as well as smoke and fume.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and 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.

Containment Equipment and Procedures: Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in Section 8. Do not allow spills to enter drains or water courses. 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.) 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.

Cleanup Procedures: Collect all contaminated clay, media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, clean, preferably with a detergent. Do not use solvents.

Section 7: Handling and Storage

Safe Handling Precautions: 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. Keep away from excessive heat and flame. See Section 2 for further details [PREVENTION].

Recommendations for Storage: Handle containers carefully to prevent damage and spillage. Store in tightly closed container in dry, well-ventilated area away from excessive heat and incompatibles. Store at ambient or lower temperature. Protect containers against physical damage. See Section 2 for further details [STORAGE].

Incompatibilities: Store away from strong acids or oxidizing agents.

Section 8: Exposure Control / Personal Protection

General / 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.

Work Clothing: Protective work clothing which covers skin and prevents exposures.

Eye/face protection: Wear safety eyewear (e.g. safety spectacles/goggles/visors) to protect against the splash of liquids.

Skin Protection: 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.

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

Additional Information: Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. Contains mineral oil. The exposure limits for oil mist are 5mg/m3 OSHA PEL, and 10 mg/m3 ACGIH. See Section 2 for further details [PREVENTION].

Carcinogen Data: This product contains no ingredients that are suspected of being or known to be a carcinogen under OSHA, NTP, or IARC at greater than 0.1%.

Substances with Exposure Limits	CAS#	OSHA	ACGIH	NIOSH
(2-methoxymethylethoxy) propanol	0034590-94-8	TWA 100 ppm (600 mg/m3) skin	TWA 100 ppm STEL: 150 ppm skin	TWA 100 ppm (600 mg/m3) ST 150 ppm (900 mg/m3) skin

Section 9: Physical and Chemical Properties

State: Liquid	Melting Point: Not Measured	Freezing Point: < -17°C / 0°F
Color: Red	Boiling Point/Range: No established limit.	pH 4-6
Sp Grav: 1.0 (8.3 lb/g)	Odor: Fatty	Water Solubility: Emulsifies
Evaporation rate: >1	Flash Point: >93°C / >200°F (TCC)	Part. Coeff (n-octanol/water) Not Measured
Upper Flam Limits: Not Measured	Lower Flam Limits: Not Measured	Vapor Pressure: Not Measured
VOC Content (lbs/gal): Not Measured	Viscosity: Not Measured	Autoignition Temp: Not Measured

Section 10: Stability and Reactivity

General: This product is stable and non-reactive under normal conditions of use. 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.

Decomposition products: Thermal decomposition in the presence of air produces oxides of carbon and nitrogen.

Section 11: Toxicological Information

Toxicological Information (contained substances)

Hazardous substance (name)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
Proprietary Blend	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	Not Determined	NA

Category 3: Item: Skin Corrosion/Irritation / Hazard: Causes mild skin irritation.

Category 2: Item: Eye Damage/Irritation / Hazard: Causes eye irritation.

Section 12: Ecological Information

General information: No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic toxicity: This product is not expected to be toxic to the aquatic environment.

Degradation / Mobility info: There is no data available on the preparation itself.

Bioaccumulative potential: Not measured.

Results of PBT and vPvB Assess: This product contains no PBT/vPvB chemicals.

Section 13: Disposal Information

Product disposal: 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.

Section 14: Transport Information

UN Number: Not applicable.

UN Proper Shipping Name: Not regulated.

Transport Hazard Class (es): Not regulated by DOT for domestic surface transportation. Not Regulated IMO/IMDG for ocean transportation.

OTHER: Is not a marine pollutant per Environmental Hazards IMDG.

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: D2B

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

EPCRA 311/312: Chemicals and RQs (>0.1%): No product ingredients listed

EPCRA 302: Extremely Hazardous (>0.1%): No product ingredients listed

EPCRA 313: Toxic Chemicals (>0.1%): No product ingredients listed

Proposition 65: Carcinogens (>0.0%): 1-4 dioxane; no other product ingredients listed.

N.J. RTK Substance (>1%): All substances in product are listed on the DSL.

Penn RTK Substances (>1%): (2-methoxymethylethoxy) propanol

(add or delete rows as necessary) (2-methoxymethylethoxy) propanol

Section 16: Other Information

SDS Author: Agrilead, Inc. Regulatory Manager

Version Date: 7/16/2015

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.