



ACTIVE
AgriScience

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#209 - 31136 Peardonville Rd,
Abbotsford, BC,
V2T 6K2, Canada
activeagriscience.com

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER		ACTIVE FUSION™					
PRODUCT USE		To aid compatibility when tank-mixing agrochemicals		USE RESTRICTIONS		For professional use only. Use only as labeled	
MANUFACTURERS NAME		Active AgriScience Inc.		DISTRIBUTORS NAME			
STREET ADDRESS		209-31136 Peardonville Rd		STREET ADDRESS			
CITY	Abbotsford	PROVINCE	British Columbia, Canada	CITY		COUNTRY	
POSTAL CODE	V2T 6K2	EMERGENCY TELEPHONE	1-604-864-0156	POSTAL CODE		EMERGENCY TELEPHONE	
DATE	June 8, 2017	PREPARED BY	Active AgriScience Inc.	PHONE NUMBER			

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

HPR (WHMIS 2015)	Skin Corrosion / Irritation: Category 1 Specific Target Organ Toxicity (STOT); Single exposure: Category 3 (respiratory system, central nervous system) Reproductive toxicity: Category 1B
OSHA Hazard Communication Standard (29 CFR 1910.1200)	Eye Damage / Irritation: Category 2A Skin Corrosion / Irritation: Category 2 Specific Target Organ Toxicity (STOT); Single exposure: Category 3 (respiratory system, central nervous system) Reproductive toxicity: Category 1B



DANGER

HAZARD STATEMENTS: CAUSES SEVERE BURNS AND EYE DAMAGE. May cause respiratory irritation or drowsiness. May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS: Do not breathe mists. Wash exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors in a well-ventilated area. Wash hands and exposed skin after handling.

FIRST AID: *IF IN EYES:* rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. *IF ON SKIN (or hair):* Take off immediately all contaminated clothing. Rinse skin with water (or shower). Wash contaminated clothing before reuse. *IF INHALED:* Remove person to fresh air and keep comfortable for breathing. *IF SWALLOWED:* rinse mouth. Do NOT induce vomiting. Immediately call a poison centre / doctor.

STORAGE: Store locked up in a well-ventilated place. Keep container tightly closed. **DISPOSAL:** Dispose of product / container in accordance with Federal, provincial, state and local regulations.



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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS#	CONCENTRATION
Ethanolamine	141-43-5	1-3%
propane-1,2-diol	57-55-6	1-5%
N-methyl-2-pyrrolidone	872-50-4	1-3%
Potassium hydroxide	1310-58-3	35-45%

SECTION 4 – FIRST AID MEASURES

EYE CONTACT	IMMEDIATELY flush eyes with a large gentle stream of water for a minimum of 20 minutes while holding the upper and lower eyelids open. Seek immediate medical attention.
SKIN CONTACT	IMMEDIATELY remove all contaminated clothing and wash skin with a large gentle stream of water for a minimum of 15-20 minutes. Get medical attention. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
INHALATION	Move victim to fresh air. Allow the victim to rest in a well-ventilated area. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.
INGESTION	Rinse mouth. Never give anything by mouth to an unconscious person. DO NOT induce vomiting without physician's direction. If vomiting occurs naturally, have victim lean forward with head down to avoid breathing in vomit, rinse mouth. Seek immediate medical attention.
Most Important Symptoms, both acute & delayed	<p>Skin Contact: contact with the skin can cause severe burns with deep ulcerations. Solutions may not cause immediate pain or irritation upon skin contact. It can penetrate to deeper layers of skin and corrosion will continue until removed.</p> <p>Eye Contact: contact can cause severe destruction and blindness. These effects can occur rapidly affecting all parts of the eye.</p> <p>Inhalation: burns and tissue damage in the upper respiratory tract can occur at higher concentrations. Inhalation may also cause headache, dizziness, tiredness, nausea and vomiting.</p> <p>Ingestion: Ingestion can cause severe burning and pain in lips, mouth, tongue, throat and stomach. Severe scarring of the throat can occur after swallowing.</p>
Indication of immediate medical attention and special treatment needed	Treat symptomatically.



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SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE	Product will not burn or support combustion				
MEANS OF EXTINCTION	Use extinguishing methods appropriate for the surrounding fire.				
FLASHPOINT & METHOD	Not applicable	UPPER FLAMMABLE LIMIT	Not applicable	LOWER FLAMMABILITY LIMIT	Not applicable
AUTO IGNITION TEMPERATURE	Not applicable	SENSITIVITY TO IMPACT	Not available	SENSITIVITY TO STATIC DISCHARGE	Not available
HAZARDOUS COMBUSTION PRODUCTS	Toxic, irritating and/ or corrosive gases may be released during a fire				

SECTION 6 – ACCIDENTAL RELEASE MEASURES

LEAK & SPILL PROCEDURES	<p>Wear personal protective equipment outlined in SECTION 8. Ventilate area of spill. Keep out of low areas.</p> <p>Large Spills: Dike spilled material to contain spill if necessary. Adsorb with inert material (clay cat litter, dry sand, and earth. Place recovered material into clean, dry containers for disposal. Flush area with water, following recovery. Do not flush rinse water to drain or the environment</p>
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SECTION 7 – HANDLING AND STORAGE

HANDLING	Do not handle until all safety precautions have been read and understood. Do not get in eyes, or skin. Do not breathe mist/spray. Wear protective gloves, and eye protection. If mists are present and ventilation is absent or poor, use an air purifying respirator – See SECTION 8. Wash hands before eating, drinking, smoking and when leaving work
STORAGE	Store, tightly closed in a cool, dry, well ventilated area away from food or feed storage
INCOMPATIBLE MATERIALS	Not available

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS	Canada OEL: N-methyl-2-pyrrolidone: TWA 400 mg/m ³ Potassium Hydroxide: ACGIH TLV = 2 mg/m ³ (ceiling)
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ENGINEERING CONTROLS	Ensure adequate ventilation when handling or applying this product. Follow all label instructions. Follow manufacturers' instructions for cleaning / maintaining personal protective equipment. If mists are present and ventilation is absent or poor, use an air purifying respirator. Provide eye wash station in area where product is handled
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PERSONAL PROTECTIVE EQUIPMENT

Skin	Wear neoprene gloves and chemical resistant coveralls when handling or applying this product
Eyes	Wear face shield when handling this product
Respirator	Use an approved air purifying respirator if mists are present and ventilation is absent or poor

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid	APPEARANCE	Clear liquid	COLOUR	pink
VISCOSITY	Not available	BOILING POINT	Not available	FREEZING POINT	Not available
EVAPORATION RATE	Not available	SPECIFIC GRAVITY	1.38 g/cm ³	ODOUR	Not available
PH	14	SOLUBILITY IN WATER	Miscible in water	ODOUR THRESHHOLD	Not available

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions of use and storage
INCOMPATIBILITY WITH OTHER SUBSTANCES	Acids, oxidizing agents, metals
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic and/or irritating gases may be released during a fire

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	Toxicity is related to corrosivity of the product
CHRONIC TOXICITY	Not available
EYE / SKIN IRRITATION	Causes serious damage to all tissues. May be absorbed through skin
SENSITIZATION	Not available



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CARCINOGENICITY	No component of this product present at levels $\geq 0.1\%$ is identified as a probable, possible, or confirmed human carcinogen by IARC, or ACGIH
REPRODUCTIVE TOXICITY	Not available
MUTAGENICITY	Not available
Possible delayed effects	Potassium hydroxide may damage tissues with a delayed sensation of pain. May penetrate into deeper layers of tissue until removed. N-methyl-2-pyrrolidone: effects may be delayed. Animal studies show adverse effects to liver and kidneys.
SECTION 12 – ECOLOGICAL INFORMATION	
ECOTOXICITY	High pH product may be toxic to aquatic organisms
SECTION 13 – DISPOSAL CONSIDERATIONS	
WASTE DISPOSAL	Dispose of this product and its container in accordance with Federal, State, Provincial and local regulations
SECTION 14 – TRANSPORT INFORMATION	
SHIPPING	TDG not a dangerous good for transport, DOT: not a dangerous good for transport
SECTION 15 – REGULATORY INFORMATION	
This SDS is prepared to comply with the Global Harmonized System of Chemical Classification and Labeling (GHS) and conforms to the requirements of HPR (WHMIS 2015) & OSHA Hazard Communication Standard (29 CFR 1910.1200)	
SECTION 16 – OTHER INFORMATION	
<p>To the best of our knowledge, the information contained herein is current and correct as of the date of this SDS, however, the information and recommendations are presented without warranty, representation or license of any kind, with respect to their accuracy, or completeness, and the seller, supplier and manufacturer (Supplier) of this material or their affiliates, disclaim all liability for reliance on such information and recommendations.</p> <p>Final determination of the suitability of any material is the sole responsibility of the buyer or the user (recipient). All materials may present unknown hazards and should be used with caution. The recipient assumes all risk in connection with the use of this material and assumes all responsibility for ensuring the material is used in a safe manner in compliance with applicable environmental, and health and safety laws.</p> <p>The supplier does not warrant the merchantability of this material or the fitness of the material for any particular use and assumes no responsibility for injury or damage caused directly or indirectly by the use of this material.</p>	