



**ACTIVE**  
AgriScience

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 #209 - 31136 Peardonville Rd,  
 Abbotsford, BC,  
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[activeagriscience.com](http://activeagriscience.com)

## MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION							
PRODUCT IDENTIFIER		ACTIVE COPPER 6% Cu					
PRODUCT USE		MICRONUTRIENT FERTILIZER		USE RESTRICTIONS		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		PROVINCE	
POSTAL CODE	V2T 6K2	EMERGENCY TELEPHONE	855-400-0154	POSTAL CODE		EMERGENCY TELEPHONE	
DATE	Mar 31, 2017	PREPARED BY	Active AgriScience Inc.			PHONE NUMBER	
SECTION 2 – HAZARDS IDENTIFICATION							
CLASSIFICATION:							
CANADA: WHMIS 2015			H301 Acute toxicity Oral (Category 3) H315 Skin irritation (Category 2) H319 Eye irritation (Category 2A)				
USA: OSHA Hazard Communication Standard 2012			H301 Acute toxicity Oral (Category 3) H315 Skin irritation (Category 2) H319 Eye irritation (Category 2A)				
  <b>DANGER</b>		<b>HAZARD STATEMENTS</b>  Toxic if swallowed. Causes skin irritation. Causes serious eye irritation.		<b>PRECAUTIONARY STATEMENTS:</b> Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves /eye protection/face protection. If mists are present and ventilation is absent or poor, use an air purifying respirator. <b>FIRST AID:</b> <i>IF SWALLOWED:</i> Immediately call a POISON CENTRE / doctor. Rinse mouth. <i>IF ON SKIN:</i> Wash with plenty of water.If skin irritation occurs: Get medical advice/attention. <i>IF IN EYES:</i> 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. Take off contaminated clothing and wash it before reuse. <b>STORAGE: KEEP OUT OF REACH OF CHILDREN.</b> Store locked up. <b>DISPOSAL:</b> Dispose of contents / container in accordance with federal, provincial, and municipal regulations.			



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#### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS#	PERCENT
Copper sulphate Pentahydrate	7758-99-8	24%

#### SECTION 4 – FIRST AID MEASURES

<b>EYE CONTACT</b>	Immediately flush eyes with a large gentle stream of water for 15 minutes while holding the upper and lower eyelids open. Seek medical attention if irritation persists.
<b>SKIN CONTACT</b>	Immediately flush skin with plenty of water for 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention if symptoms persist.
<b>INHALATION</b>	Move victim to fresh air. Allow the victim to rest in a well-ventilated area. If symptoms persist seek medical attention
<b>INGESTION</b>	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. Immediately call a POISON CENTRE or doctor.

#### SECTION 5 – FIRE FIGHTING MEASURES

<b>FLAMMABLE</b>	Product will not burn or support fire				
<b>MEANS OF EXTINCTION</b>	Use extinguishing methods appropriate for the surrounding fire.				
<b>FLASHPOINT &amp; METHOD</b>	NAP	<b>UPPER FLAMMABLE LIMIT</b>	NAP	<b>LOWER FLAMMABILITY LIMIT</b>	NAP
<b>AUTO IGNITION TEMPERATURE</b>	NAP	<b>SENSITIVITY TO IMPACT</b>	NAP	<b>SENSITIVITY TO STATIC DISCHARGE</b>	NAP
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Toxic sulphur oxides and toxic metallic fumes are released during a fire or when product is heated to decomposition				

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>LEAK &amp; SPILL PROCEDURES</b>	Wear personal protective equipment outlined in SECTION 8. Ventilate area of spill. Prevent eye / skin contact. Adsorb with inert material and place into suitable clean containers for later disposal. Do not release into drains or the environment
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#### SECTION 7 – HANDLING AND STORAGE

<b>HANDLING</b>	Wear personal protective equipment outlined in SECTION 8. Avoid contact with eyes, skin and clothing. Wash exposed skin immediately after handling. Remove contaminated clothing and wash it before reuse
<b>STORAGE</b>	Store in a tightly closed container in a cool, dark, well ventilated area away from incompatibles.

#### SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

<b>EXPOSURE LIMITS</b>	<b>ACGIH:</b> Not available	<b>NIOSH:</b> REL 10 hr TWA 1 mg/m <sup>3</sup> / Copper (dusts and mists)	<b>OSHA – Final PEL's:</b> Not available
<b>ENGINEERING CONTROLS</b>	Ventilation: install ventilation systems on tractor cabs and confined spaces if possible		

#### PERSONAL PROTECTIVE EQUIPMENT

<b>Skin</b>	Wear water resistant (butyl rubber, PVC or Viton) gloves, long sleeves, pants, shoes and socks when handling this product
<b>Eyes</b>	Wear chemical goggles with side guards or face shield if there is a potential to come in contact with spray mists
<b>Respirator</b>	Wear a NIOSH approved respirator if a risk assessment indicates this is necessary

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid	<b>APPEARANCE</b>	NAV	<b>COLOUR</b>	NAV
<b>SPECIFIC GRAVITY</b>	NAV	<b>BOILING POINT</b>	NAV	<b>FREEZING POINT</b>	NAV
<b>EVAPORATION RATE</b>	NAV	<b>SPECIFIC GRAVITY</b>	NAV	<b>ODOUR</b>	NAV
<b>PH</b>	2-2.5	<b>SOLUBILITY IN WATER</b>	Very soluble	<b>ODOUR THRESHHOLD</b>	NAV

#### SECTION 10 – STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY</b>	Stable under normal conditions of use and storage
<b>INCOMPATIBILITY WITH OTHER SUBSTANCES</b>	Strong acids and strong bases
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Toxic sulphur oxides and metallic fumes are released during a fire or when heated to decomposition



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#### SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	Copper sulphate pentahydrate: 7733-02-0: LD <sub>50</sub> (oral, mouse) 245 mg / kg. LD <sub>50</sub> (oral, rabbit) 2 g / kg
CHRONIC TOXICITY	Prolonged or repeated skin exposure can lead to dermatitis
IRRITANCY OF PRODUCT	Severe eye irritant – may cause eye burns and eye damage. Irritating to skin, respiratory and digestive tracts.
SENSITIZATION	May cause skin sensitization
CARCINOGENICITY	Not classified or listed by IARC, NTP, ACGIH as a suspected or probable carcinogen
REPRODUCTIVE TOXICITY	NAV
MUTAGENICITY	Some evidence in vitro lymphocyte human cells (RTECS)

#### SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	Very harmful to aquatic life in low concentrations with possible long term effects.
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#### SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Dispose of this product in accordance with Federal, Provincial and municipal regulations.
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#### SECTION 14 – TRANSPORT INFORMATION

SHIPPING	TDG: Not regulated for transport, DOT: Not regulated for transport
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#### 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 the Hazard Products Act and Regulations (WHMIS 2015) and the OSHA Hazard Communication Standard (29 CFR 1910.1200).

DSL: Copper sulphate pentahydrate is on Canada's DSL list.

TSCA: CAS# 77-58-98 (anhydrous form) listed on inventory so hydrous form is considered listed



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#### **SECTION 16 – OTHER INFORMATION**

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.

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.

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.