



# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Austin Pool Tech Algacide

PRODUCT CODE | 54200-00177

ISSUE DATE | March 19, 2003

### EMERGENCY TELEPHONE NUMBERS

MANUFACTURER | James Austin Company  
STREET ADDRESS | 115 Downieville Road  
CITY, STATE, ZIP | Mars, PA 16046

Medical Information: 1-866-359-5662  
Transportation: 1-800-424-9300\*  
\* For spill, leak, fire or transport accident emergencies.  
Product Information: 724-625-1535

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Ethyl Alcohol, Denatured	64-17-5	0.6	1000 ppm	1000 ppm	None

## SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	IRRITANT:
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POTENTIAL HEALTH EFFECTS	
INGESTION .....	Consult a physician immediately.
INHALATION .....	Mist caused by manufacturing operations irritates nasal passages. Alcohol portion, which can be inhaled or absorbed, must be controlled below TLV. Prolonged inhalation of vapors causes nausea, loss of motor skills, and disorientation.
EYE CONTACT .....	Contact with eyes is painful and irritating.
SKIN CONTACT .....	.Prolonged or repeated contact with skin causes irritation.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water or milk. Do not give liquids if victim is unconscious. Do not use acidic antidotes or sodium bicarbonate (baking soda). Do not administer alcohol. <b>Call a physician or poison control center immediately.</b>
INHALATION	If exposed to excessive vapor levels, remove to fresh air and seek medical attention if cough or other symptoms develop.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. <b>Get medical attention immediately.</b>
SKIN CONTACT	Flush affected skin area with copious amounts of water and wash with soap and water. If irritation develops or persists, get medical attention. Remove clothing and wash before reuse.
NOTE TO PHYSICIAN	Chronic effects and medical conditions aggravated by overexposure to this product have not been established. Unnecessary exposure to this product or any chemical should be avoided. This product is not considered a carcinogen by OSHA, NTP, or IARC.

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	200 DEG F Closed Cup	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, dry chemical, carbon dioxide, foam or water fog. Class BC, ABC fire extinguisher. Use extinguishing media that is appropriate for surrounding fire.		
SPECIAL FIRE FIGHTING PROCEDURES	Avoid fumes from spilled or exposed liquid. Firefighters should wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus. Cool fire-exposed containers with water spray from a safe distance.		
FIRE AND EXPLOSION HAZARDS	None.		

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Small spills: Dilute product by flooding area with large quantity of water and flush to sanitary sewer. Large spills: Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container. Prevent spill from entering sewers or waterways.
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**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Wash after handling and before eating. Use personal protective equipment and wear suitable chemical-resistant clothing. Keep container tightly closed when not in use. Follow label directions closely.
STORAGE PRECAUTIONS	Store upright in a cool (50-120deg F), dry, well-ventilated area. Keep away from heat or open flame.. Protect containers from physical damage. <b>Keep away from children.</b>

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	<b>Avoid breathing vapors.</b> Do not store near food stuffs, water or feed. Protect eyes, skin and clothing from contact with this product.
ENGINEERING CONTROLS	Use local ventilation to remove vapors at the source. <b>Facilities using this product must be equipped with an eyewash station.</b>

## PERSONAL PROTECTIVE EQUIPMENT

X	<b>RESPIRATOR</b>	Not normally necessary; use NIOSH approved respirator for concentrated vapors
X	<b>GOGGLES / FACE SHIELD</b>	Required; goggles should be chemical splash type. Face shield is best choice
X	<b>APRON</b>	Recommended to avoid skin contact and protect clothing from damage
X	<b>GLOVES</b>	Required; use impervious PVC or Neoprene with long gauntlet
X	<b>BOOTS</b>	Recommended to protect shoes and feet when using product for floor cleaning

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear pale liquid	BOILING POINT	212 deg F
ODOR	none	FREEZING POINT	28 deg F
pH	7.0-8.0	VAPOR PRESSURE	Not determined
SPECIFIC GRAVITY	0.990-1.000	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not applicable

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>	Heat or open flame; temperatures above 120 F.					
INCOMPATIBILITY	Strong oxidizing agents					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Nitrous oxides and ammonical vapors.					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable					

**SECTION 11 -- TOXICOLOGICAL INFORMATION**

## CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z</b>

## OTHER EFFECTS

<b>ACUTE</b>	Not determined
<b>CHRONIC</b>	Not determined

**SECTION 12 -- ECOLOGICAL INFORMATION**

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	This pesticide is toxic to fish and aquatic invertebrates.					

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD	If in accordance with an NPDES permit or approved by local sewage treatment plant authority, small amounts may be flushed to a sanitary sewer with plenty of water. Large amounts of unused product must be disposed of as hazardous waste at an approved hazardous waste management facility.								
RCRA CLASSIFICATION	Not applicable								
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE		NO	

**SECTION 14 -- TRANSPORT INFORMATION**

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DOT Proper Shipping Name	Not applicable					
Hazard Class	None					
Identification Number	None					
Packing Group	None					
Label/Placard	None					
RQ	None					
EXCEPTIONS	None required					

**SECTION 15 -- REGULATORY INFORMATION**

## REGULATORY STATUS

X	EPA REGISTERED (UNDER FIFRA)	1839-92-1672
	FDA REGULATED	No
	KOSHER	No
X	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	No

**SECTION 16 -- OTHER INFORMATION**

## NFPA CLASSIFICATION

1	BLUE	HEALTH HAZARD
1	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by James Austin Company in connection with the use of this information.