



MATERIAL
SAFETY
DATA
SHEET

I. GENERAL INFORMATION

PRODUCT NAME: **S-TEC-35**

DISTRIBUTOR'S ADDRESS: Aquaphase, Inc.
P.O. Box 7
Gallatin, TN 37066

24 HOUR EMERGENCY PHONE: **1-800-255-3924**

TRADE NAME: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND
2-METHYL-4-ISOTHIAZOLIN-3-ONE

CHEMICAL FORMULA: PRINTED ON LABEL

CHEMICAL FAMILY: MICROBIOCIDE

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	H

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	1.11	NONE ESTABLISHED	26172-55-4
2-METHYL-4-ISOTHIAZOLIN-3-ONE	0.39	NONE ESTABLISHED	2682-20-4
MAGNESIUM CHLORIDE	1.1	NONE ESTABLISHED	7786-30-3
MAGNESIUM NITRATE	1.8	NONE ESTABLISHED	10377-60-3
CUPRIC NITRATE TRIHYDRATE	0.20	NONE ESTABLISHED	10031-43-3

PRODUCT IS REGULATED UNDER FIFRA; COMPONENTS ARE NOT REQUIRED TO BE ON THE TSCA INVENTORY.

III. PHYSICAL DATA

BOILING POINT (F):	212 °F	SPECIFIC GRAVITY (H2O=1):	1.03
VAPOR PRESSURE:	17MM HG	PERCENT VOLATILE BY WEIGHT (%):	95-96% (WATER)
VAPOR DENSITY:	NE	MELTING / FREEZING POINT (F):	FREEZES AT 27 °F
SOLUBILITY IN WATER:	COMPLETE	PH:	APPROXIMATELY 3.0
APPEARANCE AND ODOR:	PALE YELLOW TO GREEN LIQUID; SLIGHT ODOR.		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: N/A

AUTO IGNITION TEMPERATURE: NE

EXTINGUISHER MEDIA: NON-COMBUSTIBLE

SPECIAL FIRE FIGHTING PROCEDURES: WEAR BREATHING APPARATUS (MSHA/NIOSH-APPROVED, PRESSURE DEMAND, SELF-CONTAINED OR EQUIVALENT) AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. CONTAIN RUN-OFF.

UNUSUAL FIRE/EXPLOSION HAZARDS: AVOID EXPOSURE TO FUMES AND VAPORS FROM A FIRE-- CAN POSSIBLY INCLUDE SULFUR DIOXIDE AND HYDROGEN CHLORIDE AND OXIDES OF NITROGEN.

V. PHYSICAL HAZARDS

STABILITY: STABLE

MATERIALS TO AVOID: OXIDIZING AGENTS, REDUCING AGENTS, AMINES, MERCAPTANS

HAZ. POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE AND OXIDES OF SULFUR

VI. HEALTH HAZARDS

ACUTE: CORROSIVE CHRONIC: NONE
SIGNS AND SYMPTOMS OF EXPOSURE: HARMFUL IF INHALED. CORROSIVE TO EYES. CAUSES IRREVERSIBLE EYE DAMAGE. CORROSIVE TO SKIN. CAUSES SKIN BURNS. THESE EFFECTS MAY BE DELAYED FOR HOURS. CAN CAUSE ALLERGIC DERMATITIS.
MEDICAL CONDITIONS GENERALLY AGGREGATED BY EXPOSURE: EXPOSURE TO S-TEC-35 MAY CAUSE ALLERGIC CONTACT DERMATITIS.

LISTED AS POTENTIAL CARCINOGEN/POTENTIAL CARCINOGEN: IARC: NO NATIONAL TOXICOLOGY PROGRAM: NO

VII. EMERGENCY AND FIRST AID PROCEDURES

TREAT SYSTEMATICALLY AS OUTLINED BELOW:
INHALATION: MOVE SUBJECT TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NEEDED.
SKIN: WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS.
EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, LIFTING UPPER AND LOWER EYE LIDS OCCASIONALLY, FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION.
INGESTION: IF SWALLOWED, DILUTE BY GIVING 2 GLASSES OF WATER TO DRINK AND CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
LARGE AND SMALL SPILL: WEAR PROTECTIVE CLOTHING, SPLASH PROOF GOGGLES AND IMPERVIOUS OVERSHOES. REMOVE CONTAMINATED CLOTHING. PROMPTLY LAUNDRER BEFORE REUSE. WASH SKIN WITH SOAP AND WATER. KEEP SPILLS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER. DIKE AND ABSORB SPILL WITH INERT MATERIAL (DRY EARTH, SAND). SHOVEL ALL CONTAMINATED SOLIDS-DIKING MATERIAL, ABSORBENT AND SOIL INTO CORROSION PROOF, DOT APPROVED CONTAINERS. SEAL
SEE SECTION X FOR MORE REGULATORY INFORMATION.
WASTE DISPOSAL METHODS: INCINERATE LIQUID AND CONTAMINATED SOLIDS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS (SEE 40 CFR 268).

IX. CONTROL MEASURES

RESPIRATORY PROTECTION: WEAR MSHA/NIOSH-APPROVED RESPIRATOR SUITABLE FOR CONCENTRATIONS ENCOUNTERED WHERE EXPOSURE LIMITS ARE EXCEEDED.
VENTILATION: LOCAL EXHAUST: PREFERRED
PROTECTIVE GLOVES: BUTYL RUBBER/NITRILE
EYE PROTECTION: SPLASH PROOF GOGGLES AND FACE SHIELD (ANSI Z87.1 OR EQUIVALENT)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS APRON, EYE WASH FACILITY, EMERGENCY SHOWER.
WORK/HYGENIC PRACTICES: WASH SKIN WITH SOAP AND WATER. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.
OTHER: EYE WASH FACILITY AND SAFETY SHOWER. DO NOT STORE BELOW 32 °F.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE), 8, UN 3265, PG II
HAZARD CLASSIFICATION: CORROSIVE UN / NA NUMBER: UN 3265
DOT LABEL REQUIRED: CORROSIVE
SARA TITLE III REPORTING: SECTION 311: X SECTION 312: X SECTION 313: X
SARA 313 REPORTABLE PRODUCT: MAGNESIUM NITRATE
SARA TPQ: N/A
CERCLA REPORTABLE QUANTITY OF PRODUCT: N/A
HMIS RATING: HEALTH 3 FLAMMABILITY 0 REACTIVITY 0

DATE PREPARED: OCTOBER 2003 (REVIEWED SEPT. 2008)
PREPARED BY: CHRIS BUNCH

NE = Not Established N/A = Not Applicable NR = Not Required < = Less Than > = Greater Than

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE AND IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL. ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT.