



MATERIAL
SAFETY
DATA
SHEET

I. GENERAL INFORMATION

PRODUCT NAME: **S-TEC-30**

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

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

TRADE NAME: ANTIMICROBIAL AGENT

CHEMICAL FORMULA: PER LABEL

CHEMICAL FAMILY: MICROBIOCIDE

HEALTH	3
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	D

II. HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS INGREDIENT(S):	% OF PRODUCT	PEL / TLV	CAS NO.
POLYETHYLENE GLYCOL	46 - 55%	NO PEL OR TLV EST.	25322-68-3
2, 2-DIBROMO-3-NITRILOPROPIONAMIDE	20%	NO PEL OR TLV EST.	10222-01-2
SODIUM BROMIDE	< 4%	NO PEL OR TLV EST.	7647-15-6
DIBROMOACETONITRILE	< 3%	NO PEL OR TLV EST.	3252-43-5

THIS PRODUCT IS REGULATED UNDER FIFRA BY THE U.S. EPA AND ITS COMPONENTS ARE EITHER LISTED ON THE TSCA INVENTORY, OR ARE EXEMPT FROM LISTING.

III. PHYSICAL DATA

BOILING POINT (F):	>158 °F	SPECIFIC GRAVITY (H2O=1):	1.20 - 1.24
VAPOR PRESSURE:	18.9 MMHG @25°C	PERCENT VOLATILE BY WEIGHT (%):	NE
VAPOR DENSITY:	<1	MELTING / FREEZING POINT (F):	< -58 °F
SOLUBILITY IN WATER:	7.5G/100G @20°C	PH:	APPROXIMATELY 3.5
APPEARANCE AND ODOR:	COLORLESS TO LIGHT YELLOW SOLUTION; DISINFECTANT ODOR		

IV. FIRE AND EXPLOSION DATA

FLASH POINT: >212 °F

AUTO IGNITION TEMPERATURE: NE

EXTINGUISHER MEDIA: WATER FOG OR SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: KEEP PEOPLE AWAY. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS. WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE FIRE FIGHTING CLOTHING.

UNUSUAL FIRE/EXPLOSION HAZARDS: THIS PRODUCT MAY DECOMPOSE. THE SMOKE MAY CONTAIN UNIDENTIFIED TOXIC AND/OR IRRITATING COMPOUNDS INCLUDING BUT NOT LIMITED TO NITROGEN OXIDES, HYDROGEN BROMIDE, CARBON DIOXIDE, CARBON MONOXIDE.

V. PHYSICAL HAZARDS

STABILITY: STABLE

MATERIALS TO AVOID: OXIDIZING AGENTS, STRONG BASES, ALUMINUM

HAZ. POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: BR2, HBR, CNBR, NOX

CONDITIONS TO AVOID: TEMP > 221 °F; LIGHT

CONDITIONS TO AVOID: ELEVATED TEMPERATURES

VI. HEALTH HAZARDS

ACUTE: CORROSIVE CHRONIC: NA
SIGNS AND SYMPTOMS OF EXPOSURE: HARMFUL IF INHALED OR INGESTED. MAY CAUSE SEVERE EYE IRRITATION. RISK OF SERIOUS EYE DAMAGE. MAY CAUSE SENSITIZATION BY SKIN CONTACT.
MEDICAL CONDITIONS GENERALLY AGGREGATED BY EXPOSURE: NONE KNOWN.

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

VII. EMERGENCY AND FIRST AID PROCEDURES

TREAT SYSTEMATICALLY AS OUTLINED BELOW:
INHALATION: IF AFFECTED, REMOVE PERSON TO FRESH AIR. CONSULT A PHYSICIAN IMMEDIATELY.
SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER FOR 15 MINUTES. CONSULT A PHYSICIAN IMMEDIATELY.
EYES: FLUSH WITH CLEAN WATER FOR AT LEAST 30 MINUTES, LIFTING UPPER AND LOWER EYE LIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.
INGESTION: IF PERSON IS CONSCIOUS, WASH MOUTH WITH WATER AND GIVE WATER TO DRINK. CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE.

VIII. ENVIRONMENTAL DATA: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
LARGE AND SMALL SPILL: LARGE AND SMALL SPILL: COMPLETELY CONTAIN ALL SPILLED MATERIAL. BLOCK ANY POTENTIAL ROUTES TO SOIL, SURFACE WATER OR GROUND WATER. ABSORB ONTO INERT COMPOUND AND RECLAIM TO A SUITABLE PROPERLY LABELED OPEN CONTAINER. NEUTRALIZE RESIDUE WITH SODA ASH, SODIUM BICARBONATE, 10% CAUSTIC AND WATER. RESIDUE MAY BE FLUSHED TO WASTE WITH WATER IF AUTHORIZED. SEE SECTION X FOR MORE REGULATORY INFORMATION.
SEE SECTION X FOR MORE REGULATORY INFORMATION.
WASTE DISPOSAL METHODS: WASTE DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT VIA AN APPROVED CHEMICAL WASTE DISPOSAL FIRM AND IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

IX. CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH-APPROVED RESPIRATOR WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.
VENTILATION: LOCAL EXHAUST PREFERRED
PROTECTIVE GLOVES: CHEMICAL RESISTANT
EYE PROTECTION: CHEMICAL SPLASH GOGGLES
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING: IE. BOOTS, APRONS TO MINIMIZE POTENTIAL CONTACT.
WORK/HYGENIC PRACTICES: CONTAMINATED CLOTHING SHOULD BE LAUNDERED BEFORE REUSE.
OTHER: STORE BELOW 95 °F. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: CORROSIVE LIQUID ACIDIC, ORGANIC, N.O.S. (2,2-DIBROMO-3-NITRILOPROPIONAMIDE), 8, UN 3265, PG III
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: 2, 2-DIBROMO-3-NITRILOPROPIONAMIDE
SARA TPQ: N/A
CERCLA REPORTABLE QUANTITY OF PRODUCT: N/A
HMIS RATING: HEALTH 3 FLAMMABILITY 1 REACTIVITY 1

DATE PREPARED: JUNE 2011
PREPARED BY: STEVEN FENNELL

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.