

**MANUFACTURER AND PRODUCT IDENTIFICATION**

**DATE:** 09/01/04  
**TRADE NAME:** STRAIGHT FLUSH  
**GENERAL OR GENERIC ID:**  
**MANUFACTURER:** ATLANTIC SOLUTIONS  
 125 N. CHATHAM PKWY.  
 CHAPEL HILL, NC 27517  
 (800) 476-0895 (919) 933-4250  
**24 HR. INFOTRAC NUMBER:** (800) 535-5053

**HMIS RATING:** HEALTH (1) FLAMMABILITY (2) REACTIVITY (0)  
 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT \* = CHRONIC HAZARD

**II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

INGREDIENTS	CAS#	ACGIH / TLV	OSHA PEL	% OPTIONAL
P-MENTHA-1, 8-DIENE (CITRUS TERPENES)	5989-27-5	NE	NE	

NE=NONE ESTABLISHED AT THIS TIME

**III PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING RANGE:** >310F  
**VAPOR PRESSURE(mm hg):** <2  
**VAPOR DENSITY, (AIR = 1):** >1  
**SOLUBILITY IN WATER:** EMULSIFIES  
**APPEARANCE AND ODOR:** CLEAR ORANGE LIQUID, WITH FRESH CITRUS ODOR  
**SPECIFIC GRAVITY (WATER = 1):** .853  
**MELTING POINT:** N/A  
**EVAPORATION RATE (BUTYLACETATE=1):** <1  
**PERCENT VOLATILE:** 90-97

**IV FIRE AND EXPLOSION DATA**

**FLASH POINT, (METHOD USED):** 115F **FLAMMABLE LIMITS:** ND  
**EXTINGUISHING MEDIA:** CO2; WATER FOG; DRY CHEMICAL; CHEMICAL FOAM  
**FIRE FIGHTING PROCEDURES:** WEAR SELF CONTAINED BREATHING APPARATUS WITH A FULL FACE FACEPIECE AND TOTAL PROTECTIVE CLOTHING.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, FLAMES AND OTHER IGNITION SOURCES.

**V REACTIVITY DATA**

**STABILITY DATA:** STABLE  
**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG ACIDS/STRONG OXIDIZERS & EXCESSIVE HEAT  
**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** THERMAL DECOMPOSITION MAY YIELD CO; CO2; AND OTHER VARIOUS HYDROCARBONS.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.



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**VI HEALTH HAZARD DATA**

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**ROUTES OF ENTRY-SIGNS AND SYMPTOMS:**

- INHALATION:** *PROLONGED EXPOSURE MAY RESULT IN IRRITATION OF REPIRATORY TRACT.*
- SKIN:** *PROLONGED EXPOSURE MAY CAUSE MILD SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, DRYING AND CRACKING.*
- EYES:** *EXPOSURE MAY CAUSE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING AND REDNESS.*
- INGESTION:** *MAY CAUSE DIARRHEA, GASTRIC PAIN, AND VOMITING. MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR DAMAGE.*

**HEALTH HAZARDS (ACUTE AND CHRONIC):** *HEADACHE, DIZZINESS AND NAUSEA.*

**CARCINOGENICITY:** *NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO*

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** *NONE KNOWN.*

**EMERGENCY FIRST AID PROCEDURES**

- INHALATION:** *MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. PROVIDE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. SEEK MEDICAL ATTENTION.*
- INGESTION:** *DO NOT INDUCE VOMITING. THIS MATERIAL IS AN ASPIRATION HAZARD. IF SPONTANEOUS VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. SEEK MEDICAL ATTENTION.*
- EYE CONTACT:** *HOLD EYELIDS OPEN AND FLUSH WITH A STEADY, GENTLE STREAM OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.*
- SKIN CONTACT:** *REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.*

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**VII PRECAUTIONS FOR DISPOSAL, SAFE HANDLING, AND USE**

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- SPILLS: SMALL SPILLS:** *ABSORB WITH VERMICULITE OR OTHER ABSORBENT.*
- LARGE SPILLS:** *ELIMINATE ALL IGNITION SOURCES. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, AND STREAMS. PUMP INTO APPROVED CONTAINERS, ABSORB UNRECOVERABLE PRODUCT AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.*
- WASTE DISPOSAL METHOD:** *DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.*
- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** *KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM ELEVATED TEMPERATURES AND ABUSE.*
- OTHER PRECAUTIONS:** *EMPTIED CONTAINERS CONTAIN PRODUCT RESIDUES AND ALL PRECAUTIONS WITHING THIS MSDS STILL APPLY AND SHOULD BE FOLLOWED.*



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**VIII CONTROL MEASURES**

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**RESPIRATOR PROTECTION:** IF WORKPLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS.

**VENTILATION:** MECHANICAL VENTILATION WHEN USED IN ENCLOSED AREAS

**PROTECTIVE GLOVES:** NEOPRENE, PVC, OR BUTYL

**EYE PROTECTION:** FULL PROTECTION CHEMICAL GOGGLES WITH SIDE SHIELDS.

**WORK/HYGENIC PRACTICES:** EXHIBIT NORMAL SAFE WORKPLACE HABITS.

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**IX TRANSPORTATION**

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**D.O.T. SHIPPING NAME:** COMBUSTIBLE LIQUID, N.O.S.  
(TERPENE HYDROCARBONS, N.O.S.) COMBUSTIBLE LIQUID

**PLACARDING:** PLACARDING EXEMPTION 173.150 (F)

**HAZARD CLASS:** 3

**IDENTIFICATION NO:** UN2319

**PACKING GROUP:** III

**RQ (REPORTABLE QUANT.):** N/A

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**X REGULATORY INFORMATION**

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**SARA TITLE III:** NOT LISTED AS REPORTABLE SUBSTANCE.. NO REPORTABLE QUANTITY (RQ) LIMIT

**CERCLA RQ:** NONE

**SPECIAL PRECAUTIONS / OTHER COMMENTS**

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUY IS NOT WARRANTED TO BE SO. USERS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT INFORMATION IS CURRENT, APPLICABLE AND SUITED TO THE CIRCUMSTANCES OF USE. VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. FURTHERMORE, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY CAUSED BY ABNORMAL USE OF THIS MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED.