

#38004 & 38007

\*\* MANUFACTURER \*\*  
 SAVOLITE CORPORATION  
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 (604) 526-5655

\*\* DESTINATION \*\*  
 MSDS REQUEST  
 PRINTOUT

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BC

SAVOLITE INC.  
 10848 E Marginal Way  
 Seattle WA 98168. USA  
 (206) 763-1340

PRODUCT: ATTACK  
 MSDS No: 00590  
 DATE: 01/31/96  
 REVISION:  
 REVISION DATE: 01/26/96

AFTER HOURS EMERGENCY PHONES:  
 Canada: CANUTECH (613) 996-6666  
 U.S.A.: CHEMTREC (800) 424-9300

SALES ORDER NO:

01. PRODUCT IDENTIFICATION

PRODUCT NAME: ATTACK  
 PRODUCT USE: LIQUID DETERGENT DISINFECTANT  
 WHMIS CODE: 02B  
 DOT SHIP NAME: NOT APPLY  
 DOT HAZ CLASS: NOT APPLY  
 DOT ID NUMBER: NOT APPLY

HMIS DESIGNATION:  
 HEALTH: 1  
 FLAMMABILITY: 0  
 REACTIVITY: 0  
 PERSONAL-  
 PROTECTION: 8

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02. HAZARDOUS INGREDIENTS

INGREDIENT	OSHA PEL	ACGIH TLV	CAS NUMBER	RANGE %
ALK. DIMETH. BENZ. AMMONIUM CHLD	N/A	N/A	68956-79-6	1.5- 5.0
LD50 (oral rat) 280 mg/kg LD50 (dermal) 1560 mg/kg LC50 NOT AVAILABLE				
SODIUM METASILICATE	N/A	No Tox Dat	6834-92-0	1.5- 5.0
LD50 (oral rat) 1153 mg/kg LD50 (dermal) NOT AVAILABLE LC50 NOT AVAILABLE				
ETHOXYLATED NONIONIC DETERGENT	N/A	Not Establ	9016-45-9	1.5- 5.0
LD50 (oral rat) 1310 mg/kg LD50 (dermal) 2830 mg/kg LC50 NOT AVAILABLE				

AT0806, AT08DR, AT08P5

Q7

03. PHYSICAL DATA

Boiling Point: 100'C  
Specific Gravity (H2O = 1): 1.080  
Vapor Pressure (mm Hg): SIMILAR TO WATER  
Melting Point: LIQUID  
Vapor Density (AIR = 1): SIMILAR TO WATER  
Solubility in Water: SOLUBLE  
Odour Threshold: NO DATA  
Coeff Water/Oil Dist: GREATER THAN 1.0  
pH: 11.6 (3.1% SOLUTION)  
Evaporation Rate (Butyl Acetate = 1): SIMILAR TO WATER  
Appearance & Odor: CLEAR TURQUOISE LIQUID WITH A LEMON ODOR

04. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 'C (CLOSED CUP):  
NONE TO BOILING

EXTINGUISHER MEDIA:  
PRODUCT NOT FLAMMABLE

SPECIAL FIRE FIGHTING PROCEDURES:  
NONE

UNUSUAL FIRE OR EXPLOSION HAZARD:  
NONE

FLAMMABLE LIMITS:  
NOT KNOWN

AUTO-IGNITION TEMPERATURE:  
NOT KNOWN

CONDITIONS OF FLAMMABILITY  
NONE

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT:  
NONE

SENSITIVITY TO STATIC DISCHARGE  
NONE

05. REACTIVITY DATA

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(CONTINUED)

STABILITY:  
STABLE

INCOMPATIBILITY (Materials to Avoid):  
STRONG ACIDS

HAZARDOUS DECOMPOSITION PRODUCT:  
CARBON DIOXIDE. HYDROGEN MAY BE LIBERATED WITH METALS ALUMINUM, ZINC

HAZARDOUS POLYMERIZATION:  
WILL NOT OCCUR

06. TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY INFORMATION:

SKIN CONTACT:  
POSSIBLE

SKIN ABSORPTION:  
POSSIBLE

EYE CONTACT:  
POSSIBLE

INHALATION - ACUTE:  
POSSIBLE

INHALATION - CHRONIC:  
UNLIKELY

INGESTION:  
POSSIBLE

IRRITANCY: -

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:  
MAY CAUSE BURNS OR DAMAGE TO EYES OR SKIN IN CONCENTRATED FORM.

EFFECT OF CHRONIC EXPOSURE TO PRODUCT:  
NONE KNOWN

SENSITIZATION TO PRODUCT:  
MAY CAUSE SENSITIZATION IN SENSITIVE INDIVIDUALS

06. TOXICOLOGICAL PROPERTIES

(CONTINUED)

CARCINOGENICITY:  
NONE KNOWN

REPRODUCTIVE TOXICITY:  
NONE KNOWN

TERATOGENICITY:  
NONE KNOWN

MUTAGENICITY:  
NONE KNOWN

Name of Toxicologically Synergistic Product:  
NONE KNOWN

07. PREVENTIVE MEASURES

RESPIRATORY PROTECTION:  
NONE REQUIRED. IF INHALATION OF CONCENTRATED PRODUCT MIST OR SPRAY IS LIKELY, USE A NIOSH APPROVED DUST/MIST RESPIRATOR.

VENTILATION:  
USE WITH NORMAL VENTILATION

PROTECTIVE GLOVES:  
USE RUBBER OR PLASTIC GLOVES WHEN HANDLING THE CONCENTRATED PRODUCT.

EYE PROTECTION:  
IF HANDLING CONCENTRATED PRODUCT USE FACE SHIELD FOR EYE PROTECTION

DISPOSAL PROCEDURES FOR SPILLS OR LEAKS:  
ABSORB LIQUID INTO SAND OR ABSORBENT SWEEPING COMPOUND.

WASTE DISPOSAL METHOD:  
HAUL ABSORBED MATERIAL TO SUITABLE WASTE DISPOSAL SITE. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL OR FEDERAL REGULATIONS.

OTHER PRECAUTIONS:  
KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE UPRIGHT. KEEP FROM FREEZING. DO NOT MIX WITH ANY OTHER CHEMICALS.

08. FIRST AID PROCEDURES

08. FIRST AID PROCEDURES

(CONTINUED)

FIRST AID PROCEDURES:

IF SWALLOWED GIVE PLENTY OF WATER TO DRINK. DO NOT INDUCE VOMITING.  
CALL A PHYSICIAN. IN CASE OF CONTACT WITH SKIN OR EYES, FLUSH WITH  
CLEAN WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

09. PREPARATION DATA

PREPARED BY:

PREPARED BY TECHNICAL ADVISORY SERVICES. PHONE (604) 526-5655  
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