



PROD CAT# STW-SERIES
DATE OF PREP : 05/09/01

MATERIAL SAFETY DATA SHEET

A.W.T. WORLD TRADE, INC.

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SECTION I

MANUFACTURER : A.W.T. WORLD TRADE, INC.
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: Chicago, IL 60641

TELEPHONE# : (773) 777-7100
FAX# : (773) 777-8887
EMERGENCY CONTACT : CHEM-TEL
EMERGENCY# : (800)255-3924

PRODUCT NAME : SAFE-T-WASH LOW ODOR SCREEN WASH
PRODUCT CAT# : STW-LO1G, STW-LO1Q, STW-LO55G, STW-LO5G

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SECTION II-A HAZARDOUS COMPONENTS

NO. COMPONENT % BY WT.

- 1 ESTER MIX 50 - 55
- 2 GLYCOL ETHER 40 - 45
- 3 TERPENE SOLVENT 1 - 5
- 4 SURFACTANT 1 - 5

>> NONE OF THE COMPONENTS OF THIS PRODUCT ARE RECOGNIZED AS
CARCINOGENIC.
(N/A = NOT APPLICABLE)

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SECTION II-B OCCUPATIONAL EXPOSURE LIMITS

NO. (OSHA) PEL/TWA PEL/CEILING

- 1 N/E N/E
- 2 100.000ppm N/E
- 3 N/E N/E
- 4 NONE N/E

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NO. (OSHA) PEL/STEL SKIN*

- 1 N/E N/E
- 2 150.000ppm N
- 3 N/E N/E
- 4 N/E N

NO. (ACGIH) TLV/TWA TLV/CEILING

- 1 N/E N/E
- 2 100.000ppm N/E
- 3 N/E N/E
- 4 NONE N/E

NO. (ACGIH) TLV/STEL SKIN*

- 1 N/E N/E
- 2 150.000ppm N
- 3 N/E N/E
- 4 N/E N

MANUFACTURER EXPOSURE LIMITS FOR COMPONENT 1: N/E

* (SKIN) ABSORPTION MAY CONTRIBUTE TO THE OVERALL EXPOSURE TO THIS MATERIAL.

TAKE APPROPRIATE MEASURES TO PREVENT SKIN CONTACT.

(Y = YES N = NO N/E = NOT ESTABLISHED)

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SECTION III PHYSICAL DATA

BOILING POINT : 243 (DEGREES F)

EVAPORATION RATE: < 1 (ETHER = 1) % SOLID : 2.09 (THEORETICAL)

VAPOR DENSITY : > 1 (AIR = 1) WEIGHT PER GALLON : 8.44
(THEORETICAL)

PH LEVEL : SJB

(Boiling point represents boiling point of lowest boiling raw material.)



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SECTION IV HEALTH INFORMATION

- EYE CONTACT -

BASED ON THE PRESENCE OF COMPONENTS 3 AND 4 PRODUCT IS PRESUMED TO BE MODERATELY IRRITATING TO THE EYES. EXPOSURE MAY CAUSE CORNEAL INJURY. BASED ON THE PRESENCE OF COMPONENTS 1, 2 AND 3 PRODUCT VAPORS AND/OR MISTS MAY ALSO BE IRRITATING TO THE EYES.

- SKIN CONTACT -

BASED ON THE PRESENCE OF COMPONENT 4 PRODUCT IS PRESUMED TO BE MODERATELY IRRITATING TO THE SKIN. PROLONGED CONTACT MAY CAUSE DAMAGE TO THE SKIN. BASED ON THE PRESENCE OF COMPONENT 2 ABSORPTION THROUGH THE SKIN MAY RESULT IN SYMPTOMS OF EXPOSURE AS THOSE DESCRIBED FOR INHALATION AND INGESTION. BASED ON THE PRESENCE OF COMPONENTS 3 AND 4 PROLONGED OR REPEATED CONTACT MAY RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN DERMATITIS.

- INHALATION -

EXPOSURE MAY PRODUCE IRRITATION TO THE NOSE, THROAT, RESPIRATORY TRACT, AND OTHER MUCOUS MEMBRANES. BASED ON THE PRESENCE OF COMPONENTS 2, 3 AND 4 EXPOSURE TO HIGH CONCENTRATIONS OF VAPOR MAY PRODUCE CENTRAL NERVOUS SYSTEM DEPRESSION.

- INGESTION -

BASED ON THE PRESENCE OF COMPONENTS 1, 2, 3 AND 4 PRODUCT IS PRESUMED TO BE SLIGHTLY TOXIC.

- SIGNS AND SYMPTOMS -

SYMPTOMS OF EYE IRRITATION INCLUDE PAIN, TEARING, REDDENING AND SWELLING. SYMPTOMS OF SKIN IRRITATION INCLUDE REDDENING, SWELLING, RASH AND REDNESS. SYMPTOMS OF RESPIRATORY IRRITATION INCLUDE RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH AND REDUCED LUNG FUNCTION. SYMPTOMS OF GASTROINTESTINAL IRRITATION INCLUDE SORE THROAT, ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA.



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- AGGRAVATED MEDICAL CONDITIONS -
PREEXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. IMPAIRED KIDNEY FUNCTIONS FROM PREEXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

- OTHER HEALTH EFFECTS -
BASED ON THE PRESENCE OF COMPONENT 4 TRACE LEVELS ($\ll 0.1$) OF ETHYLENE OXIDE ,A SUSPECT CARCINOGEN, MAY BE PRESENT FR OM THE PRODUCTION OF THIS COMPONENT.

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SECTION V EMERGENCY AND FIRST AID PROCEDURES

- EYE CONTACT -
IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF ANY SYMPTOMS PERSIST.

- SKIN CONTACT -
REMOVE CONTAMINATED CLOTHING AND SHOES. WIPE EXCESS FROM SKIN AND FLUSH WITH WATER USING SOAP IF AVAILABLE. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS. DO NOT REUSE CLOTHING UNTIL THOROUGHLY DECONTAMINATED.

- INHALATION -
REMOVE VICTIM TO FRESH AIR AND TREAT SYMPTOMATICALLY. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF THE VICTIM IS NOT BREATHING. SEEK PROMPT MEDICAL ATTENTION.

- INGESTION -
DILUTE WITH TWO GLASSES OF WATER UNLESS THE VICTIM IS UNCONSCIOUS OR VERY DROWSY. INDUCE VOMITING BY GIVING TWO TABLESPOONS OF IPECAC OR BY TOUCHING A FINGER TO THE BACK OF THE VICTIM'S THROAT. KEEP THE VICTIM'S HEAD BELOW THE HIPS TO PREVENT ASPIRATION INTO THE LUNGS. CONSULT A PHYSICIAN, HOSPITAL OR POISON CONTROL CENTER AND/OR TRANSPORT TO AN EMERGENCY FACILITY IMMEDIATELY.

- NOTES FOR PHYSICIAN -
THE FOLLOWING COMPONENT-SPECIFIC INFORMATION MAY CONTAIN CONTRADICTIONS, AND IS INTENTIONALLY INCLUDED TO GIVE THE ATTENDING PHYSICIAN SPECIFIC INFORMATION ABOUT THE INDIVIDUAL COMPONENTS OF THE BLEND.



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>> COMPONENTS 1 AND 2 MAY CAUSE SEVERE, PERMANENT DAMAGE IF
ASPIRATED AND VOMITING SHOULD NOT BE INDUCED.

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SECTION VI FIRE AND EXPLOSION HAZARDS

FLASH POINT : 150 DEGREES F. TCC

- EXTINGUISHING MEDIA -

USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

- SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS -

WARNING. COMBUSTIBLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL.

DO NOT ENTER CONFINED FIRE SPACE WITHOUT HELMET, FACE SHIELD,
BUNKER COAT, GLOVES, RUBBER BOOTS, AND A POSITIVE PRESSURE NIOSH-
APPROVED SELF-CONTAINED BREATHING APPARATUS.

- UNUSUAL FIRE AND EXPLOSION HAZARDS -

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED
WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT
IN CONTAINER RUPTURE. CONTAINERS THAT ARE EXPOSED TO DIRECT FLAME
SHOULD BE COOLED WITH WATER TO ELIMINATE STRUCTURAL WEAKENING OF
THE CONTAINER'S WALL AND POSSIBLE RUPTURE.

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SECTION VII REACTIVITY

STABILITY : STABLE HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

- CONDITIONS AND MATERIALS TO AVOID -

BASED ON THE PRESENCE OF COMPONENTS 1, 2, 3 AND 4 AVOID OXIDIZING
MATERIALS. BASED ON THE PRESENCE OF COMPONENT 1 AVOID STRONG
ACIDS. BASED ON THE PRESENCE OF COMPONENT 1 AVOID ALKALINE
MATERIALS.

- HAZARDOUS DECOMPOSITION PRODUCTS -

CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIED ORGANIC
COMPOUNDS MAY BE FORMED DURING COMBUSTION.

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SECTION VIII EMPLOYEE PROTECTION

- RESPIRATORY PROTECTION -

USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS - AT LEAST 10 AIR CHANGES PER HOUR ARE RECOMMENDED FOR GOOD GENERAL ROOM VENTILATION. IF EXPOSURE EXCEEDS THE PEL/TLV, USE THE APPROPRIATE NIOSH-APPROVED RESPIRATOR.

- PROTECTIVE CLOTHING -

WEAR SAFETY GLASSES, GOGGLES, OR A SPLASH SHIELD TO PREVENT EYE CONTACT. CONTACT LENSES SHOULD NOT BE WORN. WEAR APPROPRIATE GLOVES AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND CLOTHING.

- ADDITIONAL PROTECTIVE MEASURES -

EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR USE IN AN EMERGENCY.

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SECTION IX ENVIRONMENTAL PROTECTION

- SPILL OR LEAK PROCEDURES -

LARGE SPILLS >> EVACUATE THE HAZARD AREA OF UNPROTECTED PERSONNEL. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. IF VAPOR CLOUD FORMS, WATER FOG MAY BE USED TO SUPPRESS; CONTAIN RUN-OFF. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTIONS AS ABOVE. SMALL SPILLS >> TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS; SEAL TIGHTLY FOR PROPER DISPOSAL.

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OBSERVE ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING
PROPER DISPOSAL.

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SECTION X ADDITIONAL PRECAUTIONS

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS, AND FLAME.
EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER POSSIBLE
SOURCES OF IGNITION PRIOR TO USE AND UNTIL VAPORS ARE GONE.
SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE PRODUCT IN THE
ABSENCE OF SPARKS OR FLAME. VAPORS MAY ACCUMULATE AND TRAVEL TO
IGNITION SOURCES DISTANT FROM HANDLING SITE. KEEP CONTAINERS
CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.
CONTAINERS, EVEN IF EMPTY, CAN CONTAIN EXPLOSIVE VAPORS OR
RESIDUES. DO NOT CUT, DRILL, GRIND, OR WELD NEAR CONTAINERS AFTER
CONTACT WITH PRODUCT OR CONTAINER WASH WITH SOAP AND WATER BEFORE
EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

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