

MATERIAL SAFETY DATA SHEET

CLEANTECH PRODUCTS DIVISION  
THE TEXWIPE COMPANY  
650 EAST CRESCENT AVENUE  
UPPER SADDLE RIVER, NJ 07458  
(201) 327-9100

APRIL 1994  
TX9813  
MSDS #1C

SECTION I: PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT (TRADE) NAME: WETSWAB.  
PRODUCT IDENTIFICATION NUMBER (S): TX9813 C6419-44.  
CHEMICAL NAME AND SYNONYMS: ISOPROPYL ALCOHOL.  
CHEMICAL FORMULA: (CH<sub>3</sub>)<sub>2</sub>CHOH.

EMERGENCY TELEPHONE NUMBERS: THE TEXWIPE COMPANY: (800)284-5577.  
CHEMTREC (TRANSPORTATION): (800)424-9300.

SECTION II: HAZARDOUS INGREDIENTS

COMPONENT	CAS#	%	OSHA PEL (PPM)	ACGIH TLV (PPM)
ISOPROPYL ALCOHOL	67-63-0	91.0	400	400

SECTION III: PHYSICAL DATA

BOILING POINT (@ F (C)): 184 (84.4).  
VAPOR PRESSURE (MMHG @ 25 C): 43.  
VAPOR DENSITY (AIR=1): >1.  
% SOLUBLE IN WATER @ 25 C: 100.  
SPECIFIC GRAVITY (G/CC @ 25 C): 0.818.  
% VOLATILE BY VOLUME @ 25 C: 100.  
EVAPORATION RATE (BUTYL ACETATE=1): >1.0.  
FORM: PRESATURATED PAD.  
ODOR: ALCOHOL.  
APPEARANCE: CLEAR LIQUID.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TCC): 72 F.  
FLAMMABLE LIMITS (% BY VOLUME): LEL: NA. UEL: NA.  
AUTOIGNITION TEMPERATURE F: NA.

EXTINGUISHING MEDIA: FIRES INVOLVING ISOPROPYL ALCOHOL MAY BE EXTINGUISHED USING CARBON DIOXIDE, DRY CHEMICAL OR ALCOHOL FOAM. WATER MAY BE INEFFECTIVE, BUT, MAY BE USED TO COOL FIRE EXPOSED CONTAINERS.

UNUSUAL FIRE OR EXPLOSION HAZARDS: LIQUID MAY RELEASE FLAMMABLE VAPORS WHICH CAN IGNITE AT OR ABOVE FLASH POINT.

NA=NOT AVAILABLE

PAGE 1

NFPA RATING: HEALTH (1)  
FLAMMABILITY (3)  
REACTIVITY (0)

CLASSIFIED AS AN OSHA CLASS IB FLAMMABLE LIQUID

SECTION V: HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF ENTRY, SIGNS AND SYMPTOMS OF OVER EXPOSURE, TARGET ORGANS, AND ASSOCIATED TOXICITY INFORMATION:

EYE CONTACT WILL CAUSE LOCAL IRRITATION AND BURNING SENSATIONS WITH POSSIBLE INJURY IF NOT REMOVED PROMPTLY. REPEATED OR PROLONGED CONTACT WITH SKIN MAY PRODUCE IRRITATION AND CAUSE DERMATITIS. EXPOSURE ABOVE TLV MAY CAUSE IRRITATION TO RESPIRATORY TRACT AND EYES ALONG WITH HEADACHES, DIZZINESS, AND CNS EFFECTS. MAY BE HARMFUL IF SWALLOWED WITH INGESTION OF 20 ML CAUSING SERIOUS INJURY. ASPIRATION HAZARD IF SWALLOWED.

CARCINOGENICITY (OSHA/NTP/IARC/ACGIH): NOT LISTED.  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE LISTED.

FIRST AID

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES, INCLUDING UNDER EYELIDS. GET MEDICAL HELP.

SKIN CONTACT: FLUSH WITH WATER.

INHALATION: REMOVE TO FRESH AIR. KEEP AT REST. RESTORE AND/OR SUPPORT BREATHING AS NEEDED. GET PROMPT MEDICAL HELP.

INGESTION: GET PROMPT MEDICAL HELP. GIVE WATER TO DRINK TO DILUTE IF VICTIM IS CONSCIOUS. IF MEDICAL HELP IS NOT READILY AVAILABLE, THE AMOUNT INGESTED WAS LARGE AND THE VICTIM IS CONSCIOUS AND ALERT, INDUCE VOMITING.

SECTION VI: REACTIVITY DATA

STABILITY: STABLE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

INCOMPATIBILITIES/CONDITIONS TO AVOID: CAUSTICS, AMINES, ALKANOLAMINES, ALDEHYDES, AMMONIA, STRONG OXIDIZING AGENTS AND CHLORINATED COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL-OXIDATIVE DEGRADATION MAY PRODUCE CARBON MONOXIDE.

SECTION VII: SPILL OR LEAK PROCEDURES

CLEANUP PERSONNEL NEED PROTECTION AGAINST LIQUID CONTACT AND VAPOR INHALATION. ABSORB SMALL SPILLS WITH PAPER TOWELS, EVAPORATE FLAMMABLE ALCOHOL IN EXHAUST HOOD AND BURN DRY PAPER.

DISPOSAL: FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII: SPECIAL PRECAUTIONS AND CONTROL MEASURES

PROVIDE GENERAL AND EXHAUST VENTILATION (EXPLOSION PROOF) TO MEET TLV REQUIREMENTS. STORE IN A CLEAN, COOL, VENTILATED AREA AWAY FROM SOURCES OF IGNITION AND OXIDIZING AGENTS. HANDLE AND STORE IN A MANNER SUITABLE FOR AN OSHA CLASS IB FLAMMABLE LIQUID. ELECTRICAL SERVICES MUST MEET CODE. USE NON-SPARKING TOOLS. AVOID INHALATION OF VAPORS AND REPEATED OR PROLONGED CONTACT OF LIQUID WITH SKIN OR CLOTHING. DO NOT TAKE INTERNALLY.

PAGE 2

SECTION IX: SHIPPING INFORMATION

DOT CLASSIFICATION: NOT REGULATED

PROPER SHIPPING NAME:

HAZARD CLASS:

UN NO.:

HAZARD LABELING REQUIRED:

IATA CLASSIFICATION: NOT REGULATED

PROPER SHIPPING NAME:

HAZARD CLASS:

SUBSIDIARY RISKS:

UN NO.:

HAZARD LABELING REQUIRED:

SECTION X: ADDITIONAL INFORMATION

NPCS/HMIS DESIGNATIONS

HEALTH (BLUE): 1

FLAMMABILITY (RED): 3

REACTIVITY (YELLOW): 0

PERSONAL PROTECTION (WHITE): RATINGS WILL VARY DEPENDING ON USE

SARA TITLE III REPORTING REQUIREMENTS

TOXIC CHEMICAL (SECTION 313): N/L

EXTREMELY HAZARDOUS SUBSTANCE (SECTIONS 302, 304, 311, AND 312): N/L

N/L=NOT LISTED

TSCA INVENTORY STATUS

REPORTED/INCLUDED

SARA TITLE III PRODUCT HAZARD CATEGORIES

CHRONIC HEALTH: YES

ACUTE HEALTH: YES

FIRE HAZARD: YES

PRESSURE HAZARD: NO

REACTIVITY HAZARD: NO

THE INFORMATION PROVIDED HEREIN IS COMPILED FROM INTERNAL REPORTS AND DATA FROM PROFESSIONAL PUBLICATIONS. IT IS FURNISHED WITHOUT WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. IT IS INTENDED SOLELY TO ASSIST IN EVALUATING SUITABILITY AND PROPER USE OF THE MATERIAL AND IN IMPLEMENTING SAFETY PRECAUTIONS AND PROCEDURES.

PAGE 3 (LAST PAGE)

DOC 813

PAGE 1

MATERIAL SAFETY DATA SHEET

REQUIRED UNDER USDL SAFETY & HEALTH REGULATIONS FOR SHIP REPAIRING, SHIPBUILDING, AND SHIPBREAKING (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: TEXWIPE COMPANY (THE)

ADDRESS : 650 EAST CRESCENT AVENUE, UPPER SADDLE RIVER, NJ 07458

EMERGENCY PHONE NO.: (201) 327-9100

DATE : JANUARY, 1986

CHEMICAL NAME/SYNONYMS: ISOPROPYL ALCOHOL

TRADE NAME/SYNONYMS : WETSWAB

CHEMICAL FAMILY : ALCOHOL

FORMULA : (CH<sub>3</sub>)<sub>2</sub>CHOH

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS CAS # % TLV (UNITS)

PIGMENTS :

CATALYST :

VEHICLE :

SOLVENTS :

ADDITIVES :

OTHERS :

ISOPROPYL ALCOHOL 67-63-0 100 400 PPM

ALLOYS AND METALLIC COATINGS

BASE METAL:

ALLOYS :

METALLIC COATINGS :

FILLER METAL PLUS COATING

OR CORE FLUX :

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES % TLV (UNITS)

SECTION III - PHYSICAL DATA

BOILING POINT (F) : 180.1 F !SPECIFIC GRAVITY (H<sub>2</sub>O=1): 20/20 C .7801

VAPOR PRESSURE (MMHG): 33 !PERCENT, VOLATILE BY VOL. (%): 100

VAPOR DENSITY (AIR=1): 2.07 !EVAPORATION RATE (BUTYL ACETATE=1): 2.83

SOLUBILITY IN WATER : COMPLETE

APPEARANCE AND ODOR : COLORLESS LIQUID, NONRESIDUAL ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) : 65 F TAG CLOSED CUP.

FLAMMABLE LIMITS %BY VOL. CLOSED : LEL: 2.0 ;UEL: 12.0  
EXTINGUISHING MEDIA : CO2 OR "ALCOHOL" TYPE FOAM OR  
DRY CHEMICALS.  
SPECIAL FIRE FIGHTING PROCEDURE : DILUTE 20-25 TIME VOLUME IN H2O.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE : 400 PPM (SKIN) - ACGIH - OSHA  
EFFECTS OF OVEREXPOSURE : GIDDINESS

EMERGENCY AND FIRST AID PROCEDURES: MOVE TO FRESH AIR.  
SKIN OR EYE CONTACT: FLUSH WITH H2O. IF SWALLOWED, INDUCE VOMITING,  
CALL PHYSICIAN.

DOC 813

PAGE 2

SECTION VI - REACTIVITY DATA

STABILITY: STABLE; CONDITIONS TO AVOID: ANAHYDRIDE, ISOCYANATE, MONOMER,  
AND ORGANOMETALLIC CONTAMINATION.  
INCOMPATIBILITY (MATERIALS TO AVOID) : NONE  
HAZARDOUS DECOMPOSITION PRODUCTS : NONE

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR  
CONDITIONS TO AVOID : NONE

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
ELIMINATE ALL SOURCES OF IGNITION. FLUSH WITH WATER.  
WASTE DISPOSAL METHOD: ATOMIZE INTO AN INCINERATOR.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): ALL PURPOSE CANISTER  
VENTILATION; LOCAL EXHAUST:  
MECHANICAL : ACCEPTABLE  
SPECIAL :  
OTHER :  
PROTECTIVE GLOVES : RUBBER OR VINYL COATED  
EYE PROTECTION : FACE SHIELD  
OTHER PROTECTIVE EQUIPMENT:

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: PRODUCT IS A PREMOISTENED  
SWAB SATURATED WITH 2CC OF ISOPROPYL ALCOHOL.  
OTHER PRECAUTIONS:

AUTHORIZED SIGNATURE: CHRIS SHERIDAN, TECHNICAL DIRECTOR

LAST PAGE