Product ID: TAPE HEAD CLEANER MSDS Date:05/01/1987 FSC:7930 NIIN:01-213-9285 MSDS Number: BHVWZ === Responsible Party === Company Name: TEXWIPE CO Address:650 E CRESCENT AVE Box:575 **City:UPPER SADDLE RIVER** State:NJ ZIP:07458-1827 Country:US Info Phone Num:213-327-9100 Emergency Phone Num:201-327-9100 Preparer's Na me:SCOTT FAHY, LAB MANAGER CAGE:21994 === Contractor Identification === Company Name: ADAMS MARKETNG ASSOC. CAGE:34736 Company Name: TEXWIPE CO Address:650 E CRESENT AVE Box:308 City:UPPER SADDLE RIVER State:NJ ZIP:07458-1827 Country:US Phone:201-327-5577 CAGE:21994

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III) CAS:76-13-1 RTECS #:KJ4000000 Fraction by Wt: 64.7% OSHA PEL:1000PPM/1250STEL ACGIH TL V:1000PPM/1250STEL9192 Ozone Depleting Chemical:1

Ingred Name:ISOPROPYL ALCOHOL (SARA III) CAS:67-63-0 RTECS #:NT8050000 Fraction by Wt: 35%. OSHA PEL:400 PPM/500 STEL ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:NITROMETHANE CAS:75-52-5 RTECS #:PA9800000 Fraction by Wt: 0.3% OSHA PEL:100 PPM ACGIH TLV:100 PPM; 9192

Ingred Name: TP-35 CALCULATED (FREON)

LD50 LC50 Mixture:LD50 (ORAL RAT AND RABBIT) Routes of Entry: Inhalation :YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:NA: EYE IRRITATION SKIN: IRRITATION, REPEATED CONTACT CAN CAUSE DEFATTING OF SKIN TISSUE AND LEAD TO DERMATITIS INHALATION: SHORTNESS OF BREATH, CAN CAUSE CARDIAC. INGESTION: NOT TOXIC TO HUMANS NOT TO BE INGESTED. Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN. Effects of Overexposure: EYE: IRRITAT ION SKIN: IRRITATION TO DERMATITIS INHALATION: LIGHT-HEADNESS, GIDINESS, SHORTNESS OF BREATH, IRRITATION OF THE UPPER RESPIRATORY PASSAGES, MAY LEAD TO MARCOSIS, CARDIAC IRREGULARITIES, UN CONSCIOUSNESS OR DEATH. INGESTION: DO NO INDUCE VOMITING BUT NOT TOXIC TO HUMANS, AVOID INGESTION. Medical Cond Aggravated by Exposure: EYE: IRRITATION SKIN: IRRITATION TO DERMATITIS INHALATION: CARDIOVASCULAR DISEASE: LIGHTHEADEDNESS TO THE EXTREME OVEREXPOSURE CAN CAUSE DEATH.

======

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. SKIN: FLUSH WITH WATER. GET MEDICAL ATTENTION. IF IRRITATION IS PRESENT. INHALATION: REMOVE SUBJECT TO FRESH AIR. CALL A PHYSICIAN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, MOUTH TO MOUTH. IF BREATHING IS DIFFICULT GIVE OXYGEN. INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

Flash Point Method:TOC Flash Point:90F AFTR 45% EVP Extinguishing Media: ADDITON OF EXCESS WATER WILL EXTRACT ISOPROPYL ALCOHOL AND MAY FORM A FLAMABLE SUPERNATANT LAYER. Fire Fighting Procedures: SELF-CONTAINED BREATHING APPARATUS MAY BE REQUIRED IF IF DOES RUPTURE AND CONTENTS ARE SPILLED UNER FIRE CONDITIONS. Unusual Fire/Explosion Hazard: SELF-CONTAINED BREATHING APPARATUS. ================== Accidental Release Measures == _____ Spill Release Procedures: VENT AREA. DO NOT FLUSH INTO SEWERS. DIKE SPILL. COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL. REMOVE TO PERMITTED WASTE DISPOSAL FACILITY. Neutralizing Agent:NONE APPLICABLE FOR THIS MATERIAL Respiratory Protection: NONE REQUIRED UNDER NORMAL USE, USE SELF-CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED IF A LARGE SPILL OCCURS Ventilation: GENERAL EXHAUST IS ADEQUATE. LOCAL EXHAUST TO BE USED WHEN LARGE AMOUNTS ARE RELEASED/MECHANICAL IN CONFINED AREAS. Protective Gloves: BUTYL GLOVES TO AVOID PROLONGED EXPOSURE Eye Protection: CHEMICAL SPLASH GOGGLES Supplemental Safety and Health NK Boiling Pt:B.P. Text:120F,49C Vapor Pres:151F Vapor Density:4.9G/CC Spec Gravity:1.15G/CC pH:7.0

Evaporation Rate & amp; Reference:NE Solubility in Water:(1)

Appear

ance and Odor:SLIGHT SOLVENT ODOR Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES ALKALI OR ALKALINE EARTH METALS - (POWDERED AL, ZN, BE, ETC). Stability Condition to Avoid:OPEN FLAMES AND HIGH TEMPERATURES. Hazardous Decomposition Products:HYDROCHLORIC AND HYDROFLUORIC ACIDS AND POSSIBLE CARBONYL HALIDES

Waste Disposal Methods

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS ON REPORTING RELEASES. REMOVE TO PERMITTED WASTE DISPOSAL FACILITY. EPA HAZARDOUS WASTE NOS. F001 AND F002 MA Y APPLY.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate an d

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.