

## MATERIAL SAFETY DATA SHEET

**Company Name:** 3M  
**Address:** 3M CENTER  
**City / State / Zip:** ST. PAUL, / MN / 55144  
**US-CHEMTREC Phone(I):** (800) 424-9300  
**US-CHEMTREC Phone(II):** (703) 527-3887  
**CAN-CANUTEC Phone:** (613) 996-6666  
**Vendor Update:** 3/18/2010  
**Date Prepared:** 9/8/2010  
**MSDS Number:** 3M50021 ;

### I. CHEMICAL PRODUCT IDENTIFICATION

**Product Name:** SCOTCH ADHESIVE REMOVER PEN  
**HMIS Ratings:**  
**NFPA Ratings:**

Health: Moderate(2)  
 Flammability: Moderate(2)  
 Instability/Reactivity: Minimal(0)

**Other:** IMMEDIATE HEALTH, PHYSICAL, AND ENVIRONMENTAL HAZARDS:  
 COMBUSTIBLE LIQUID AND VAPOR. CLOSED CONTAINERS EXPOSED TO HEAT FROM FIRE MAY BUILD PRESSURE AND EXPLODE. VAPORS MAY TRAVEL LONG DISTANCES ALONG THE GROUND OR FLOOR TO AN IGNITION SOURCE AND FLASH BACK. MAY CAUSE ALLERGIC SKIN REACTION.

### II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
CITRUS EXTRACT	8028-48-6	95-100					
Notes							

### III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

**Eyes:** MODERATE EYE IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND BLURRED OR HAZY VISION.  
**Skin:** MODERATE SKIN IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE LOCALIZED REDNESS, SWELLING, ITCHING, AND DRYNESS.  
**Ingestion:** GASTROINTESTINAL IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE ABDOMINAL PAIN, STOMACH UPSET, NAUSEA, VOMITING AND DIARRHEA.  
**Inhalation:** RESPIRATORY TRACT IRRITATION: SIGN/SYMPTOMS MAY INCLUDE COUGH, SNEEZING, NASAL DISCHARGE, HEADACHES, HOARSENESS, AND NOSE AND THROAT PAIN.

### IV. FIRST AID MEASURES

**Eyes:** FLUSH EYES WITH LARGE AMOUNTS OF WATER. IF SIGNS/SYMPTOMS PERSIST, GET MEDICAL ATTENTION.  
**Skin:** REMOVE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY FLUSH SKIN WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING AND CLEAN SHOES BEFORE REUSE.  
**Ingestion:** DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO SO BY MEDICAL PERSONNEL. GIVE VICTIM TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.  
**Inhalation:** REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.

**V. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	117°F
<b>Test Method:</b>	PENSKY–MARTENS CLOSED CUP
<b>Lower Flammability Limit:</b>	.7% [DETAILS: CONDITIONS: @150 C]
<b>Upper Flammability Limit:</b>	APPROX. 6.1% [DETAILS: CONDITIONS: @262 C]
<b>Extinguishing Agents:</b>	USE FIRE EXTINGUISHERS WITH CLASS B EXTINGUISHING AGENTS (E.G., DRY CHEMICAL, CARBON DIOXIDE).
<b>Unusual Fire or Explosion Hazards:</b>	COMBUSTIBLE LIQUID AND VAPOR. CLOSED CONTAINERS EXPOSED TO HEAT FROM FIRE MAY BUILD PRESSURE AND EXPLODE. VAPORS MAY TRAVEL LONG DISTANCES ALONG THE GROUND OR FLOOR TO AN IGNITION SOURCE AND FLASH BACK. USE NORMAL PRECAUTIONS SUITABLE FOR OILY RAGS.
<b>Fire Fighting Procedures:</b>	WATER MAY NOT EFFECTIVELY EXTINGUISH FIRE; HOWEVER, IT SHOULD BE USED TO KEEP FIRE–EXPOSED CONTAINERS AND SURFACES COOL AND PREVENT EXPLOSIVE RUPTURE. WEAR FULL PROTECTIVE EQUIPMENT (BUNKER GEAR) AND A SELF–CONTAINED BREATHING APPARATUS (SCBA).
<b>Other:</b>	AUTOIGNITION TEMPERATURE: NO DATA AVAILABLE.

**VI. ACCIDENTAL RELEASE MEASURES**

<b>Containment/Cleanup:</b>	EVACUATE UNPROTECTED AND UNTRAINED PERSONNEL FROM HAZARD AREA. THE SPILL SHOULD BE CLEANED UP BY QUALIFIED PERSONNEL. FOR LARGER SPILLS, COVER DRAINS AND BUILD DIKES TO PREVENT ENTRY INTO SEWER SYSTEMS TO BODIES OF WATER. PLACE IN A METAL CONTAINER APPROVED FOR TRANSPORTATION BY APPROPRIATE AUTHORITIES. DISPOSE OF COLLECTED MATERIAL AS SOON AS POSSIBLE. CONTAIN SPILL. COVER OR DILUTE WITH WATER. WORKING FROM AROUND THE EDGES OF THE SPILL INWARD, COVER WITH BENTONITE, VERMICULITE, OR COMMERCIALY AVAILABLE INORGANIC ABSORBENT MATERIAL. MIX IN SUFFICIENT ABSORBENT UNTIL IT APPEARS DRY. COLLECT AS MUCH OF THE SPILLED MATERIAL AS POSSIBLE USING NON–SPARKING TOOLS. CLEAN UP RESIDUE WITH DETERGENT AND WATER.
<b>Other:</b>	REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. CALL 3M–HELPS LINE (1–800–364–3577) FOR MORE INFORMATION ON HANDLING AND MANAGING THE SPILL.

**VII. HANDLING AND STORAGE**

<b>Other:</b>	HANDLING: DO NOT EAT, DRINK OR SMOKE WHEN USING THE PRODUCT. WASH AREAS THOROUGHLY WITH SOAP AND WATER. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, PILOT LIGHTS AND OTHER SOURCES OF IGNITION. GROUND CONTAINERS SECURELY WHEN TRANSFERRING CONTENTS. WEAR LOW STATIC OR PROPERLY GROUNDED SHOES. AVOID BREATHING OF VAPORS, MISTS OR SPRAY. AVOID EYE CONTACT WITH VAPORS, MISTS, OR SPRAY. KEEP OUT OF THE REACH OF CHILDREN. AVOID CONTACT WITH OXIDIZING AGENT. STORAGE: STORE AWAY FROM ACIDS. STORE AWAY FROM HEAT. STORE OUT OF DIRECT SUNLIGHT. STORE AWAY FROM OXIDIZING AGENTS.
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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Eyes:</b>	AVOID EYE CONTACT WITH VAPORS, MISTS, OR SPRAY. THE FOLLOWING EYE PROTECTION(S) ARE RECOMMENDED. SAFETY GLASSES WITH SIDE SHIELDS.
<b>Skin:</b>	AVOID SKIN CONTACT. SELECT AND USE GLOVES AND/OR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT BASED ON THE RESULTS OF AN EXPOSURE ASSESSMENT. CONSULT WITH YOUR GLOVE AND/OR PROTECTIVE CLOTHING MANUFACTURER FOR SELECTION OF APPROPRIATE COMPATIBLE MATERIALS. GLOVES MADE FROM THE FOLLOWING MATERIAL(S) ARE RECOMMENDED: BUTYL RUBBER, NEOPRENE, NITRILE RUBBER.
<b>Respiratory:</b>	AVOID BREATHING OF VAPORS, MISTS OR SPRAY. SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF FACEPIECE OR FULLFACE AIR-PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES.
<b>Engineering:</b>	USE WITH APPROPRIATE LOCAL EXHAUST VENTILATION.
<b>Other:</b>	PREVENTION OF SWALLOWING: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	COLORLESS TO LIGHT YELLOW
<b>Boiling Point:</b>	340–372°F
<b>pH:</b>	7 [DETAILS: CONDITIONS: 5% SOLUTION IN WATER]
<b>Solubility in Water:</b>	NIL
<b>Specific Gravity:</b>	APPROX. 0.84 UNITS NOT AVAIL. OR NOT APPL.
<b>Vapor Pressure:</b>	<=2MMHG
<b>Vapor Density:</b>	>=1 [REF STD: AIR=1]
<b>Physical State:</b>	LIQUID
<b>Volatile Content:</b>	VOLATILE ORGANIC COMPOUNDS: 100% WEIGHT [TEST METHOD: CALCULATED PER EPA METHOD 24]. PERCENT VOLATILE: 100% WEIGHT. VOC LESS H <sub>2</sub> O & EXEMPT SOLVENTS: 840 G/L [TEST METHOD: CALCULATED PER EPA METHOD 24].
<b>Other:</b>	VISCOSITY: APPROXIMATELY 0.8 CENTIPOISE. MELTING POINT: NOT APPLICABLE EVAPORATION RATE: <=1 [REF STD: BUOAC=1]. HAZARDOUS AIR POLLUTANTS: 0% WEIGHT [TEST METHOD CALCULATED] KOW – OCT/WATER PARTITION COEF: NO DATA AVAILABLE.

#### X. STABILITY AND REACTIVITY

<b>Stability:</b>	STABLE.
<b>Hazardous Polymerization:</b>	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
<b>Hazardous Decomposition Products:</b>	SUBSTANCES: HYDROCARBONS, CARBON MONOXIDE, CARBON DIOXIDE AND IRRITANT VAPORS OR GASES. CONDITION: OXIDATION, HEAT OR REACTION.
<b>Incompatible Products:</b>	STRONG BASES.
<b>Conditions To Avoid:</b>	TEMPERATURES ABOVE THE BOILING POINT.

**XI. TOXICOLOGICAL INFORMATION****XII. ECOLOGICAL INFORMATION**

**Environmental Fate and Distribution:** NOT DETERMINED.

**XIII. DISPOSAL CONSIDERATIONS**

**Disposal Method:** RECLAIM IF FEASIBLE. INCINERATE IN A PERMITTED HAZARDOUS WASTE INCINERATOR. AS A DISPOSAL ALTERNATIVE, DISPOSE OF WASTE PRODUCT IN A PERMITTED HAZARDOUS WASTE FACILITY.

**RCRA Class:** D001 (IGNITABLE)

**XIV. TRANSPORT INFORMATION**

**Other:** ID NUMBERS: 62-4453-7530-6, 62-4453-7535-5, 62-4453-7536-3, 62-4453-8530-5, 62-4453-8535-4, 62-4453-9530-4, 62-4453-9535-3, 62-4453-9930-6, 62-4453-9931-4, 62-4453-9932-2, 62-4453-9936-3.

**XV. REGULATORY INFORMATION**

**TSCA Status:** THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE CHEMICAL NOTIFICATION REQUIREMENTS OF TSCA.

**EPA Sara Title III Chemical Listings:** 311/312 HAZARD CATEGORIES: FIRE HAZARD: YES; PRESSURE HAZARD: NO; REACTIVITY HAZARD: NO; IMMEDIATE HAZARD: YES; DELAYED HAZARD: NO.

**Other:** FDA: REFERENCE: FDA-OTHER; STATUS: MEETS; CITATION: 21CFR 182.20. ALL APPLICABLE CHEMICAL INGREDIENTS IN THIS MATERIAL ARE LISTED ON THE EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES (EINECS), OR ARE EXEMPT POLYMERS WHOSE MONOMERS ARE LISTED ON EINECS.

**XVI. OTHER INFORMATION****WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.