

3M General Offices

3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

Duns No.: 00-617-3082

00-67
2133

**MATERIAL SAFETY
DATA SHEET**

DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION

TRADE NAME:

SCOTCH PHOTO MOUNT Spray Adhesive (Cat. Nos. 6092 - 6094)

3M I.D. NUMBER: CS-0406-1344-3 CS-0406-6934-6 62-6092-3725-0 62-6094-4825-3

ISSUED: AUGUST 19, 1992

SUPERSEDES: AUGUST 7, 1992

DOCUMENT: 10-4798-4

1. INGREDIENT	C.A.S. NO.	PERCENT
PROPANE	74-98-6	20.0 - 30.0
N-HEXANE	110-54-3	20.0 - 30.0
HEXANE (OTHER ISOMERS)	None	10.0 - 20.0
NONVOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600- 5478P ++	TradeSecret	10.0 - 20.0
ACETONE	67-64-1	7.0 - 13.0
NAPHTHOL SPIRITS	64742-48-9	5.0 - 10.0

NOTE: ++ synthetic polymers, resins, synthetic rubber, antioxidant, u.v.
absorber, adhesion promoter and fillers. Not hazardous according
to Canadian WHMIS criteria. Non-WHMIS controlled.

**THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION
ACT OF 1986 AND 40 CFR PART 372:**

ACETONE

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
VAPOR PRESSURE:..... Compressed gas
VAPOR DENSITY: 2.97 Air = 1
EVAPORATION RATE:..... 1.90 Ether = 1
SOLUBILITY IN WATER: Nil
SP. GRAVITY:..... N/A
PERCENT VOLATILE: 86.00 % by wt
VOLATILE ORGANICS: 600.00 gms/liter
VOC LESS H₂O & EXEMPT SOLVENT N/D
pH: N/A
VISCOSITY: N/A
MELTING POINT:..... N/D
APPEARANCE AND ODOR: thin liquid, light cream, characteristic solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
FLAMMABLE LIMITS - LEL: 2.60 % by vol
FLAMMABLE LIMITS - UEL: 12.80 % by vol
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
CO₂, foam, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES:
Fire fighters should be equipped with self-contained breathing
apparatus when fighting fires involving this material.

Abbreviations: N/D - Not Determined N/A - Not Applicable

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Extremely Flammable. Treat as flammable pressurized container.
Overheated, closed containers adjacent to fire could explode due to
pressure buildup.

NFPA-HAZARD-CODES: HEALTH 3 FIRE 4 REACTIVITY 0

UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO₂ and smoke particles.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

If cans rupture: Extinguish all ignition sources. Ventilate the
area. Observe the precautions from other sections. Contain the
spill. Cover with absorbent materials as needed. Collect spilled
material. Place in a U.S. Department of Transportation - approved
metal container, and seal.

RECOMMENDED DISPOSAL:

Incinerate absorbed and partially full cans after mixing with
flammable material in a licensed hazardous waste facility. The
facility must be capable of handling aerosol cans. Do not puncture
or burn cans in a household incinerator. Dispose of empty cans in a
sanitary landfill. Disposal should be in accordance with applicable
regulations. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):

Maximum VOC = 600 grams/liter.

Maximum VOC minus Water minus Exempt Solvents = 600 grams/liter.

VOC's were calculated according to Rule 443.1 of the South Coast

Air Quality Management District (SCAQMD).

SARA HAZARD CLASS:

FIRE HAZARD: Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 10
minutes while holding eyelid open. Call a physician.

SKIN CONTACT:

Wash thoroughly with soap and water.

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6. SUGGESTED FIRST AID (continued)

INHALATION:

Move affected person to fresh air at once. If breathing difficulties persist, call a physician.

IF SWALLOWED:

Do not induce vomiting. Immediately call a physician or poison control center.

7. PRECAUTIONARY INFORMATION

OTHER PRECAUTIONARY INFORMATION:

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep product and its vapors away from heat, sparks and open flame. Extinguish and do not ignite any flame in the immediate work area. The vapors released by the product can be ignited easily and burn explosively. Avoid prolonged breathing of vapors and mist. Use only in areas with sufficient ventilation to maintain vapor and mist concentrations below recommended exposure limits. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (impervious gloves) protection to prevent contact. Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing may be harmful or fatal. Do not puncture or incinerate. Do not store at temperatures above 120F or in direct sunlight. Keep out of the reach of children.

Additional exposure limits: hexane (other isomers) 1000ppm, STEL, ACGIH, 3500mg/g, STEL, ACGIH.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
PROPANE	1000	ppm	TWA	OSHA	
PROPANE	1800	mg/m3	TWA	OSHA	
PROPANE	NONE	NONE	NONE	ACGIH	
	Simple asphyxiant				
N-HEXANE	50	ppm	TWA	ACGIH	
N-HEXANE	176	mg/m3	TWA	ACGIH	
N-HEXANE	50	ppm	TWA	OSHA	
N-HEXANE	180	mg/m3	TWA	OSHA	
HEXANE (OTHER ISOMERS)	NONE	NONE	NONE	NONE	
NONVOLATILE COMPONENTS - N.J. TRADE					
SECRET (T.S.) REGISTRY NO. 04499600-					
5478P ++	NONE	NONE	NONE	NONE	
ACETONE	750	ppm	TWA	ACGIH	
ACETONE	1780	mg/m3	TWA	ACGIH	
ACETONE	1000	ppm	STEL	ACGIH	
ACETONE	2380	mg/m3	STEL	ACGIH	
ACETONE	750	ppm	TWA	OSHA	
ACETONE	1800	mg/m3	TWA	OSHA	
ACETONE	1000	ppm	STEL	OSHA	

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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		UNIT	TYPE AUTH	SKIN*
	VALUE				
ACETONE	2400	mg/m3	STEL	OSHA	
NAPHTHOL SPIRITS	100	ppm	TWA	3M	
NAPHTHOL SPIRITS	300	ppm	TWA	CMRG	
NAPHTHOL SPIRITS	1900	mg/m3	TWA	CMRG	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Liquid and vapor may be irritating to eyes upon direct contact.

SKIN CONTACT:

Prolonged skin contact may defat skin leading to irritation and dermatitis. n-Hexane may be absorbed through the skin in harmful amounts.

INHALATION:

Exposure to vapor concentrations in excess of the recommended exposure limits may cause respiratory system irritation and temporary nervous system impairment. There are reported instances where exposure to n-hexane vapor concentrations in excess of 800 ppm caused peripheral nerve damage. Symptoms of overexposure may range from mild light-headedness through weakness, dizziness, headache, nausea and facial numbness. Extreme overexposure such as is caused by intentional inhalation of concentrated vapors in a confined vessel can result in serious damage including asphyxiation and death.

IF SWALLOWED:

Accidental ingestion from an aerosol container is unlikely. Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Aspiration into the lungs through vomiting can cause lung damage.

OTHER HEALTH HAZARD INFORMATION:

A laboratory study with rats has shown that male rats exposed

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8. HEALTH HAZARD DATA (continued)

to the naphthol spirits at concentrations of 400 ppm experienced
kidney damage.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	AUGUST 7, 1992 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	JUNE 5, 1992 ISSUE

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.