



MATERIAL SAFETY DATA SHEET

(MSDS)

IMPORTANT SAFETY INFORMATION - DO NOT DISCARD
PLEASE ROUTE TO COMPANY SAFETY OFFICER

SYRACUSE CTY SCH DIST
1023 ERIE BLYD W
SYRACUSE, NY 13204-2749
C90770289 - PO# K 054536

In order to better facilitate the distribution of compliant product safety information (Material Safety Data Sheets) to our customers, we are requesting your assistance to complete/correct the address information below. Beginning August 2008, Fisher will have the ability to e-mail MSDSs directly to your sites. If you would prefer this method of distribution, please select "Yes" and provide your company's e-mail address(es). *

Please update your contact information: _____
Account Number: _____

MSDS Address: _____

Phone Number: _____

Fax Number: _____

* Yes, E-MAIL MSDSs to address(es): _____

If you have any additional changes for the contact person or address corrections, please send them to **Mike Burkhart:**

Fax number: 412-490-8098
E-mail: mike.burkhart@thermofisher.com

MSDS: WILL BE SENT UPON FIRST SHIPMENT UNLESS A SUBSTANTIAL REVISION OCCURS.
REQUIRED MSDS NOT INCLUDED IN THIS MAILING WILL FOLLOW UNDER SEPARATE COVER.

THIS PACKET MAY CONTAIN MSDS FOR PRODUCTS MANUFACTURED BY OTHERS AND DISTRIBUTED BY FISHER SCIENTIFIC OR ACROS ORGANICS. THESE MSDS WERE PREPARED BY THE MANUFACTURER AND FISHER/ACROS DISCLAIMS ALL LIABILITY FOR THEIR CONTENT.

FISHER SCIENTIFIC HAS A COMPLETE LINE OF SAFETY PRODUCTS AND INFORMATION FOR THE LABORATORY. CONTACT YOUR LOCAL FISHER REPRESENTATIVE FOR BROCHURES, CATALOGS AND PRODUCTS. THE ACROS ORGANICS CATALOG OFFERS ONE OF THE BROADEST LINES OF ORGANIC CHEMICALS IN THE WORLD. CONTACT YOUR LOCAL FISHER REPRESENTATIVE TO PLACE AN ORDER, RECEIVE A CATALOG OR A FREE SUBSCRIPTION TO THE ACROS ORGANICS ACTA OR VISIT FISHERSCI.COM OR ACROS.COM.

MSDSs enclosed:

MSDSs enclosed for:
40131 Permount Mounting Media



Material Safety Data Sheet
Permount Mounting Media

MSDS# 40131

Section 1 - Chemical Product and Company Identification

MSDS Name: Permount Mounting Media
Catalog Numbers: S70104, SP15-100, SP15-500, SP15L-500
Synonyms: A permanent adhesive for cementing cover glass to microscope slide. Polymer dissolved in toluene.
Company Identification: Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 201-796-7100
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300

Section 2 - Composition, Information on Ingredients

Risk Phrases: 11 20
CAS#: 108-88-3
Chemical Name: Toluene
%: 55
EINECS#: 203-625-9
Hazard Symbols: F XN

Risk Phrases: 68240-09-5
CAS#: Polymer of a-pinene, b-pinene, dipentene, b-phellandrene
Chemical Name: 45
%: 45
EINECS#: unlisted
Hazard Symbols: unlisted

Text for R-phrases: see Section 16

Hazard Symbols: XN F



Risk Phrases: 11 38 48/20 63 65 67

Section 3 - Hazards Identification

Warning! Flammable liquid and vapor. May cause central nervous system depression. Aspiration hazard if swallowed. Can enter lungs and cause damage. May be absorbed through intact skin. Possible risk of harm to the unborn child. Breathing vapors may cause drowsiness and dizziness. Causes eye, skin, and respiratory tract irritation. Target Organs: Central nervous system, respiratory system, eyes, skin.

EMERGENCY OVERVIEW

Potential Health Effects

Eye: Causes eye irritation. Vapors may cause eye irritation.
Skin: Causes skin irritation. May be absorbed through the skin. Repeated or prolonged exposure may cause drying and cracking of the skin. Not expected to cause an allergic skin reaction.

Ingestion: May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. May cause central nervous system depression.

Inhalation: Causes respiratory tract irritation. Inhalation of high concentrations (>200 ppm) of toluene are clearly associated with CNS encephalopathy; headache, depression, lassitude (weakness, exhaustion), impaired coordination, transient memory loss, and impaired reaction time.

Chronic: Prolonged or repeated skin contact may cause defatting and dermatitis. Repeated exposure in combination with constant, loud noise can produce hearing loss and dizziness. Chronic hydrocarbon abuse (for example, sniffing glue or light hydrocarbons such as contained in this material) has been associated with irregular heart rhythms and potential cardiac arrest. Toluene abuse has been linked with kidney disease, as evidenced by blood, protein, & pus in the urine, accompanied by elevated serum creatinine, decreased urinary output, & metabolic & renal tubular acidosis. Although kidney toxicity has not been common in cases of occupational toluene exposure, there has been at least one report of renal toxicity following a 40-year occupational toluene exposure. Toluene does not cause the severe injury to the bone marrow that is characteristic of benzene poisoning.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Causes cardiac sensitization to endogenous catecholamines which may lead to cardiac arrhythmias. Do NOT use adrenergic agents such as epinephrine or pseudoephedrine.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.

Extinguishing: Use water spray, dry chemical, carbon dioxide, or appropriate foam. Solid streams of water may be ineffective and spread material.

Autoignition: 480 deg C (896.00 deg F)
Flash Point: 4 deg C (39.20 deg F)

Explosion Limits: 1.2%
Limits: Lower:

Explosion Limits: Upper: 7.1%

NFPA Rating: health: 2; flammability: 3; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spill/Leak: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Use only non-sparking tools and equipment. Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

Section 7 - Handling and Storage

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain Handling: product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with

S 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

WGK (Water Danger/Protection)

CAS# 108-88-3: 2

CAS# 68240-09-5: Not available

Canada

CAS# 108-88-3 is listed on Canada's DSL List

CAS# 68240-09-5 is listed on Canada's DSL List

Canadian WHMIS Classifications: B2, D2A, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 108-88-3 is listed on Canada's Ingredient Disclosure List

CAS# 68240-09-5 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 108-88-3 is listed on the TSCA

Inventory.

CAS# 68240-09-5 is listed on the TSCA

Inventory.

Section 16 - Other Information

MSDS Creation Date: 5/20/1999

Revision #14 Date 2/13/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.