

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : m-PAGEL
Product Code : AE-6000 (M-520L)
SDS No. : A0057-1
General Use : Research use only
MANUFACTURER
Company Name : ATTO Corporation
Address : 2-2, Motoasakusa 3 cho-me, Taito-ku, Tokyo 111-0041, Japan
Telephone No. : +81-3-5827-4861
EMERGENCY TELEPHONE NUMBER
: +81-3-5827-4863

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Not classified.
PICTOGRAM : -
HAZARD STATEMENTS : -
PRECAUTIONARY STATEMENTS : -

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Mixture

Chemical Name	Wt(%)	Chemical Formula	CAS No.
Polyacrylamide gel	20% >	(C ₃ H ₅ NO) _n	9003-05-8

4. FIRST AID MEASURES

GENERAL ADVICE : Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.
Use personal protective equipment.

INHALATION : Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

SKIN CONTACT : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

EYE CONTACT : Remove any contact lenses at once. Flush eyes well with a large amount of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

INGESTION : Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES : Not flammable

EXTINGUISHING MEDIA : Carbon dioxide, dry chemical, foam water.

FIRE & EXPLOSION HAZARDS : Toxic, irritating dust or smoke may be emitted.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

: Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

: Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

: Prevent spills from entering sewers, watercourses or low areas.

METHODS FOR CLEANING UP

: Do not touch spilled material without suitable protection (See section 8). After material is completely picked up, wash the spill site with soap and water and ventilate the area. Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose of contaminated clothing.

7. HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING

- : Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection.

CONDITIONS FOR SAFE STORAGE

- : Store away from sunlight in a cool(5-10 °C= 41-50 °F) well-ventilated dry place. Keep container tightly closed. Do not freeze.

INCOMPATIBILITIES : Not available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES

- : Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.

VENTILATION : Local Exhaust ; Necessary,
Mechanical(General) ; Recommended

INDIVIDUAL PROTECTION MEASURES ;

Respiratory protection : Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed regulatory guidelines.

Hand protection : Chemical resistant gloves

Eye protection : Safety glasses(goggles)

Skin protection : Protective clothing

CONTROL PARAMETER

OSHA Final Limits : None established

ACGIH TLV(s) : None established

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Gel plate

Odor : Odorless

pH : Not available

Boiling Point / Boiling Range
: Not available

Melting Point / Melting Range
: Not available

Decomposition Temperature
: Not available

Flash Point : Not available
Auto Ignition Temperature : Not available
Flammability : Not flammable
Explosive Properties : Not available
Oxidizing Properties : Not available
Vapor Pressure : Not available
Relative Density : Not available
Solubility : Not available
Partition Coefficient(n-octanol /water) : Not available
Viscosity : Not available
Vapor Density : Not available
Evaporation Rate : Not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID

: Sunlight, heat, moisture

STABILITY : Stable for one year at cold storage

MATERIALS TO AVOID

: Oxidizers, alkalis, Strong Acids

HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS

: Carbon monoxide, Nitrogen oxide,

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD50/oral/rat = > 1 g/kg Oral LD50 Rat

LD50/oral/mouse = 12950 mg/kg

Other LD50 or LC50 information = 11250 mg/kg Oral LD50 Rabbit

TOXICITY DATA : Not available

SKIN CORROSION/IRRITATION : Not available

EYE DAMAGE/EYE IRRITATION : Not available

RESPIRATORY OR SKIN SENSITIZATION : Not available

GERM CELL MUTAGENICITY : Not available

TOXIC TO REPRODUCTION : Not available

STOST-SINGLE EXPOSURE : Not available
STOST-REPEATED EXPOSURE : Not available
ASPIRATION TOXICITY : Not available
CARCINOGENICITY : Not available
ADDITIONAL INFORMATION ;
NTP : Not listed
IARC : Not listed
OSHA : Not listed
ACGIH : Not listed

12. ECOLOGICAL INFORMATION

ECOTOXICITY : Not available
MOBILITY : Not available
PERSISTANCE AND BIODEGRADABILITY
: Not available
BIOACCUMULATIVE POTENYIAL
: Not available
OTHER ADVERSE EFFECTS
: Not available

13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules).

After contents are completely removed, dispose of its container in accordance with local/regional/national/international regulation.

14. TRANSPORT INFORMATION

UN number

ADR/RID : - IMDG : - IATA : -

Transport hazard class

ADR/RID : - IMDG : - IATA : -

Environmental hazards

ADR/RID : no IMDG Marine pollutant: no IATA : no

DOT (Department of Transportation): Not a Hazardous Material for DOT shipping.

15. REGULATORY INFORMATION

US REGULATIONS ;

EPA : CERCLA RQ=Not listed

EPCRA TPQ=Not listed

OSHA; TQ = Not listed

EU REGULATIONS:

Labelling according to EC Directives: Not required.

16. OTHER INFORMATIONS

This information is furnished without warranty, express or implied, expect that it is accurate to the best knowledge of ATTO Corporation. It relates only to the specific product designated herein, and does not relate to use in combination with any other material or in any process. ATTO Corporation assumes no legal responsibility for use of or reliance upon this information.