

SAFETY DATA SHEET

HOTMELT PRODUCT: APOLY500

NEY Limited
Stonebridge Trading Estate
Sibree Road
Coventry CV3 4FD
T: 024 7630 8100
F: 024 7630 8102
E: materials.info@ney.co.uk
www.ney.co.uk



1 IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

PRODUCT NAME: APOLY500

INTENDED USE: Liquid Moisture Cure Adhesive

SUPPLIER: Ney Limited
Stonebridge Trading Estate
Sibree Road
Coventry
CV3 4FD

EMERGENCY TELEPHONE: 024 7630 8100

2 COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Characterisation:

Adhesive containing a polyurethane prepolymer based on diphenylmethanediisocyanate.

Dangerous Components:

9016-87-9 diphenylmethanediisocyanate, isomers and homologues 40-50%.

Xn: R20-36/37/38-42/43

Additional Information:

For the wording of the listed risk phrases, refer to section 16.

3 HAZARDS IDENTIFICATION:

Hazard Description:

Xn Harmful.

Information pertaining to particular dangers for man and environment:

R20 Harmful by inhalation

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitisation by inhalation and skin contact.

Contains isocyanates.

Classification System:

The classification was made according to the latest editions of the EU lists, and expanded upon from company and literature data.

Important:

As most requirements are unique, it is most important that trials are carried out in order that the user satisfies themselves that the adhesive is suitable. The information given on this sheet is for guidance only and does not represent a specification.

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4 FIRST AID MEASURES:

General Information:

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient in the recovery position and await medical attention.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Seek medical advice.

After swallowing:

Do not induce vomiting. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES:

Suitable Extinguishing media:

CO₂, extinguishing powder or water spray.

Unsuitable Extinguishing media:

Direct water jets.

Hazardous Decomposition:

In case of fire, the following can be released: Nitrogen oxides (NO_x), Carbon monoxide (CO). In certain fire conditions, traces of other toxic gases cannot be excluded, e.g., Hydrogen cyanide (HCN), Isocyanates.

Special Procedures:

Use approved self-contained breathing apparatus.

Wear fire retardant clothing.

6 ACCIDENTAL RELEASE MEASURES:

Personal Protection:

Particular danger of slipping on leaked/spilled product.

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Measures for clean-up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of in suitable containers. Do not close containers – reaction with water forming carbon dioxide.

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7 HANDLING AND STORAGE:

Handling:

Information for safe handling: No special measures required.

Information on protection against fires and explosion: No special measures required.

Storage:

Store only in the original containers.

Store in a cool, dry, well ventilated area.

Keep containers tightly sealed.

Protect from humidity and water.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Occupational Exposure Limit:

9016-87-9 diphenylmethanediisocyanate, isomers and homologues

MEL: Short term value: 0.07 mg/m³

Long term value: 0.02 mg/m³

Sen; as -NCO.

Additional information:

The lists that were valid during the creation were used as a basis.

Personal protective equipment:

General protective and hygienic measures.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Do not eat, drink or smoke whilst working.

Clean skin thoroughly immediately after handling the product.

Do not inhale gases / fumes / aerosols.

Immediately remove all soiled and contaminated clothing.

Breathing equipment:

Suitable respiratory protective device recommended.

In case of brief exposure or low pollution, use respiratory filter device. In case of extreme exposure, use respiratory protective device that is independent of circulating air.

Short term filter device:

Filter B.

Protection of hands:

PVA, natural, butyl, nitrile or polychloroprene rubber gloves of superior quality.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Eye protection:

Wear tightly sealed goggles.

Body protection:

Wear protective work clothing.

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9 PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Fluid	
Colour:	Brown	
Odour:	Light	
Boiling point/range:	> 200°C	
Flash point:	> 200°C	ISO 1523
Self ignition temperature:	> 300°C	
Decomposition temperature:	> 140°C	
Self igniting:	product is not self igniting at room temperature	
Danger of explosion:	product does not present an explosion hazard	
Density @ 20°C:	1.135	
Solubility in / miscibility with water:	Insoluble	
Viscosity @ 20°C:	8000 mPa.s	
Solvent content:	organic 0%	

10 STABILITY AND REACTIVITY:

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Materials to be avoided:

-

Dangerous reactions.

Reacts with alcohols, amines, aqueous acids and alkalis.

Reacts with water forming carbon dioxide. Danger of receptacles bursting due to vapour overpressure.

Dangerous products of decomposition:

None to our knowledge at room temperature.

11 TOXICOLOGICAL INFORMATION:

Acute toxicity:

Primary irritant effect on:

Skin: Irritating to skin and mucous membranes.

Eyes: Irritating effect.

Sensitisation:

Sensitisation possible through inhalation and skin contact.

Additional toxicological information:

Persons having a history of asthma or of allergies, or chronic or recurring difficulties in breathing must not use this product.

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12 ECOLOGICAL INFORMATION:

Other:

Prevent product from entering drains.

13 DISPOSAL CONSIDERATIONS:

Product:

Do not discharge into drains or watercourses.

Dispose of in accordance with local regulations - incineration is preferred method.

Uncleaned packaging:

Disposal must be made according to official regulations.

The containers may be decontaminated with a mixture of sodium carbonate and 95% water.

Allow to react for several days until no reaction occurs.

14 TRANSPORT INFORMATION:

Land transport ADR/RID (cross border)

ADR/RID Class:

Not hazardous.

Maritime transport IMDG:

IMDG Class:

Not hazardous.

Air transport ICAO-TI and IATA-DGR:

IACO/IATA Class:

Not regulated.

15 REGULATORY INFORMATION:

Markings according to EU guidelines:

The product has been classified and marked in accordance with EU Directives.



Xn Harmful

Hazard determining components of labelling:

diphenylmethanediisocyanate, isomers and homologues.

Risk phrases:

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitisation by inhalation and skin contact.

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Safety phrases:

S23: Do not breathe vapour.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible.

Special labelling of certain preparations:

Contains isocyanates. See information supplied by the manufacturer.

Advised phrases:

26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28: After contact with skin, wash immediately with plenty of soap and water.

38: In case of insufficient ventilation, wear suitable respiratory equipment.

16 OTHER INFORMATION:

Risk phrases used in S.2:

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitisation by inhalation and skin contact.

Legal disclaimer:

The information contained in this Data Sheet does not constitute the user's own assessment of work place risks as required by other health and safety legislation. As the specific conditions of use of the product are outside the suppliers control the user is responsible for ensuring that the requirements of the relevant legislation are complied with. This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

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