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3M 8614 Windscreen Sealer Primer

1,6-Hexamethylene diisocyanate - TDI copolymer 3M Classification: Xi: R37; R42-43	63368-95-6	5.0 - 10.0
Carbon black EU Number: EINECS 215-609-9	1333-86-4	5.0 - 10.0
Hexamethylene diisocyanate, oligomers EU Number: NLP 500-060-2 Vendor Classification: Xi: R43	28182-81-2	5.00 - 10.0
3-Trimethoxysilylpropane-1-thiol EU Number: EINECS 224-588-5	4420-74-0	1.0 - 5.0
1-Methoxy-2-propyl acetate EU Number: EINECS 203-603-9 EU Classification: R10; Xi: R36	108-65-6	1.0 - 5.0

4 FIRST-AID MEASURES

- 4.1 Eye Contact:
Immediately flush eyes with large amounts of water. Get immediate medical attention.
- 4.2 Skin Contact:
Wash affected area with soap and water.
- 4.3 Inhalation:
If signs or symptoms occur, remove person to fresh air. If signs/symptoms continue, call a medical doctor.
- 4.4 Ingestion:
Do not induce vomiting. Drink two glasses of water. Call a medical doctor.

5 FIRE-FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media:
Water spray. Carbon dioxide. Dry chemical. Foam.
- 5.2 Unsuitable Extinguishing Media:
Not specified.
- 5.3 Exposure Hazards:
Not determined.
- 5.4 Combustion Products from Fire:
Not determined.

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5.5 Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

5.6 Special Instructions:

None known.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Please observe precautions from other sections of this MSDS.

6.2 Methods for Cleaning up:

Ventilate the area with fresh air.
Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools.
Contain spill.
Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry.
Collect as much of the spilled material as possible.
Place in an approved metal container.

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Keep container tightly closed.

- Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material.

- Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

7.2 Precautions for Safe Storage:

Store in a cool place.

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- Ventilation:
Keep container in a well-ventilated area.
- Incompatible Materials/Conditions:
Store away from heat.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:
Use in a well-ventilated area.

8.2 Exposure Limits:

Butanone (78-93-3)

HSE WEL TWA: 600 mg/m³; 200 ppm (skin)
HSE WEL STEL: 899 mg/m³; 300 ppm (skin)
IOELV TWA: 600 mg/m³; 200 ppm
IOELV STEL: 900 mg/m³; 300 ppm

n-Butyl acetate (123-86-4)

HSE WEL TWA: 724 mg/m³; 150 ppm
HSE WEL STEL: 966 mg/m³; 200 ppm

Carbon black (1333-86-4)

HSE WEL TWA: 3.5 mg/m³
HSE WEL STEL: 7 mg/m³

1-Methoxy-2-propyl acetate (108-65-6)

HSE WEL TWA: 274 mg/m³; 50 ppm (skin)
HSE WEL STEL: 548 mg/m³; 100 ppm (skin)
IOELV TWA: 275 mg/m³; 50 ppm (skin)
IOELV STEL: 550 mg/m³; 100 ppm (skin)

8.3 Exposure Controls:**8.3.1 Eye Protection:**

Avoid eye contact.
Unvented goggles.

8.3.2 Hand Protection:

Wear appropriate gloves when handling this material.
The following glove material(s) are recommended: Butyl rubber.

8.3.3 Skin Protection:

Avoid skin contact.

8.3.4 Respiratory Protection:

Avoid inhalation of vapours.
Select one of the following approved respirators based on
airborne concentration of contaminants and in accordance with

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regulations: Half-mask organic vapour respirator. Full-face organic vapour respirator.

8.3.5 Ingestion:

Wash hands after handling and before eating.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odour:	Black liquid with a solvent odour.
- pH:	Not applicable
- Boiling point/boiling range:	80 0C
- Melting point/melting range:	Not applicable
- Flash point:	< 21 0C
- Autoflammability:	Not determined
- Flammable Limits - LEL:	Not determined
- Flammable Limits - UEL:	Not determined
- Vapour pressure:	Not determined
- Water Solubility:	Nil
- Specific gravity:	1.0 (Water=1)
- Vapour density:	Not determined
- Volatile organic compounds:	Not determined
- Evaporation rate:	Not determined
- Viscosity:	Not determined
- Percent Volatile:	Not determined

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

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10.2 Conditions to Avoid:

None known.

10.3 Materials to Avoid:

None known.

10.4 Hazardous Decomposition:

Carbon monoxide and carbon dioxide.
Oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

11.1 Effects from Eye Contact:

- Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

11.2 Effects from Skin Contact:

- Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
- Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

11.3 Effects from Inhalation:

- Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest.
- Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.
- Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

11.4 Effects from Ingestion:

- Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.
- Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.
- Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish coloured skin (cyanosis), and may be fatal.

11.5 Other Effects and Information:

- Carcinogenicity:

WARNING: Contains a chemical which can cause cancer: Carbon black

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(1333-86-4 IARC possible human carcinogen 2B).

12 ECOLOGICAL INFORMATION

12.1 Environmental Data:

Not determined.

12.2 Mobility in Soil and Water:

Not determined.

12.3 Persistence/Biodegradability:

Not determined.

12.4 Bioaccumulation Potential:

Not determined.

12.5 Ecotoxicity Data:

Not determined.

12.6 Ecofate Data:

Not determined.

12.7 Special statements for 2001/58/EC:

Not determined.

12.8 Other Effects and Information:

No data available. Since regulations vary, consult applicable regulations or authorities before disposal.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:

Not determined.

13.2 Product in Use:

Not determined.

13.3 Product after Use:

Not determined.

13.4 Product Packaging:

Not determined.

13.5 Potential for Recycling:

Not determined.

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13.6 Special Instructions:

As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

14 TRANSPORT INFORMATION

Transport Details:

Please see the Annex to this document in which all transportation information is given.

15 REGULATORY INFORMATION

Symbol(s):

Xi Irritant.
F Highly flammable.

Risk Phrases:

R11 Highly flammable.
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases:

S9 Keep container in a well ventilated place.
S16 Keep away from sources of ignition - No Smoking.
S23 Do not breathe gas, fumes, vapour, or spray.
S24/25 Avoid contact with the skin and eyes.
S37 Wear suitable gloves.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28B After contact with skin, wash immediately with plenty of water.
S33 Take precautionary measures against static discharges.
S2 Keep out of the reach of children.
3M Contains isocyanates. See information supplied by manufacturer.

Disclosable Ingredients:

Butanone;
n-Butyl acetate;
Hexamethylene diisocyanate, oligomers.



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16 OTHER INFORMATION

16.1 Complete list of risk phrases:

- R10 Flammable.
- R11 Highly flammable.
- R36 Irritating to eyes.
- R43 May cause sensitisation by skin contact.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

16.2 Limitations on Use of Product:

For industrial or professional use only.

16.3 Reissue date/Reason for reissue:

Complete MSDS revision in accordance with EU directive 2001/58/EC.

16.4 Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:

- The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended;
- The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended;
- The Control of Substances Hazardous to Health Regulations 1999 as amended;
- The Special Waste Regulations 1996, as amended;
- The Environmental Protection Act, 1990, as amended;
- The Health and Safety at Work Act, 1974, as amended.

The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.



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ANNEX: Transport information as per paragraph 14 of the MSDS

Major change to the transportation information.

XS-0034-9101-5

ADR/RID

UN1866 RESIN SOLUTION, LIMITED QUANTITY, 3., II, (--), F1

IMDG-CODE

UN1866 RESIN SOLUTION (NOT APPLICABLE), 3, II ,limited quantity

ICAO/IATA

UN1866 RESIN SOLUTION, 3., II