

SECTION 1: IDENTIFICATION

1.1. Product identifiers

Product Name: DUAL MIRROR[®] II Film and Adhesive

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Class: Polyester Film & Silicone Polyaddition

Identified uses: Textile coating/protection.

1.3. Details of the supplier of the safety data sheet

Company: Newtex Industries, Inc.
2007 Fulton Place
High Point, NC 27265 USA
Tel: (585) 924-9135

1.4. Emergency telephone number

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call **CHEMTREC**
Day or Night

DOMESTIC NORTH AMERICA **800-424-9300**

INTERNATIONAL, CALL 703-527-3887

1.5. (collect calls not accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of substance or mixture:

Classification according to Directive 1999/45 and Regulation (EC) 1272/2008

2.1.1. Hazard Classification:

2.1.1.a. Health Hazards:

Serious eye damage - Category 1 - H318: Causes serious eye damage.

Toxic to reproduction - Category 2 - H361f: Suspected of damaging fertility.

2.2. GHS Label elements, including precautionary statements:

Pictogram:



Signal word: Danger, Warning

Issue Date: June 2024

2.2.1. Hazard statements:

H318: Causes serious eye damage.
H361f: Suspected of damaging fertility.

2.2.2. Precautionary Statements:

2.2.2.a. Prevention:

P282: Wear face shield/eye protection.
P281: Use personal protective equipment as required.

2.2.2.b. Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Get immediate medical advice/attention.
P308+P313: IF exposed or concerned: Get medical advice/attention.

2.3. Other Hazards:

2.3.1. For Humans:

May cause skin irritation in very susceptible persons. Chemical compounds containing silicon - hydrogen bonds (SiH). This product may generate hydrogen gas. For further information, refer to section 10: "Stability and Reactivity".

2.3.2. For the Environment:

No data available.

2.3.3. Risk phrase: R53:

May cause long-term adverse effects in aquatic environment

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance:

3.1.1. Substance(s) formed under the conditions of use:

Chemical name	CAS-No.	Concentration*
Methanol	67-56-1	<1.1%
Butan-1-ol	71-36-3	<3.5%
Polyethylene Terephthalate	25038-59-9	>80%

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures:

4.1.1. First-aid measures General:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible.)

4.1.2. Eye Contact:

The eyes should be washed immediately with plenty of water. If irritation continues, consult a physician.

4.1.3. Skin Contact:

Skin contact is not dangerous. In case of long exposition and high allergic sensitivity, wash with soap and water. If irritation continues, consult a physician.

4.1.4. Ingestion:

Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

4.1.5. Inhalation:

If exposed to fumes from overheating or combustion remove to fresh air, if symptoms persist seek medical attention.

4.2. Indication of Any Immediate Medical Attention and Special Treatment Needed:

If exposed or concerned, get medical advice and attention. If medical advice is needed, have a product container or label at hand. Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours. For specialist advice, physicians should contact Poisons Information Service.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media:

5.1.1. Suitable Extinguishing Media:

All Standard extinguishing agents

5.1.2. Unsuitable Extinguishing Media:

Don't use water if fire is caused by an electrical problem.

5.2. Special Hazards Arising From the Substance or Mixture:

5.2.1. Fire Hazard:

Product is not Flammable.

5.2.2. Explosion Hazard:

No Data Available

5.2.3. Reactivity:

Hazardous reactions will not occur under normal conditions.

5.3. Special exposure to the material, combustion products or exposure to hazardous gas emissions:

Carbon dioxide (CO₂), Carbon Monoxide (CO) and organic decomposition products according to temperature and air-supply.

5.4. Special protective equipment:

Use self-contained breathing apparatus (especially in closed rooms)

5.5. Unusual fire and explosion hazards:

Thermal decomposition may release smoke and irritating fumes.

5.6. Advice for firefighters:

5.6.1. Precautionary Measures Fire:

Exercise caution when fighting any chemical fire.

5.6.2. Firefighting Instructions:

Use water spray or fog for cooling exposed containers. Do not breathe fumes from fires or vapors from decomposition.

5.6.3. Protection During Firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

5.6.4. Hazardous Combustion Products:

Thermal decomposition generates: Carbon oxides (CO, CO₂). Nitrogen oxides. Hydrogen cyanide. Sulfur compounds. Sulfur oxides.

5.6.5. Other Information:

Risk of dust explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

6.1.1. General Measures:

Extinguish all ignition sources. Avoid sparks, flames, heat, and smoking.
Ventilate. Do NOT approach from DOWNWIND. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Stop leak if possible without risk. DO NOT touch spilled material!
If possible, turn leaking containers so that gas escapes rather than liquid.
Avoid contact with alkalis and caustic products.

6.2. Environmental Precautions:

No ecological precaution necessary.

6.3. Methods and Materials for Containment and Cleaning Up For Containment:

Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams, vacuum or sweep up and place in a standard disposal container. Avoid the use of air jets if possible, to prevent fibers from becoming airborne.

6.3.1. Methods for Cleaning Up:

Follow applicable federal, state and local regulations.

6.4. Reference to Other Sections:

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

7.1.1. Precautions for safe handling:

Do not get in eyes, on skin, or on clothing. Wear personal protective equipment/face protection. Avoid dust formation. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed, then seek immediate medical Assistance.

7.2. Conditions for Safe Storage, Including Any Incompatibles

7.2.1. Storage Conditions:

Keep containers tightly closed in a dry, cool, and well-ventilated place.

7.2.3. Incompatible Materials:

Strong oxidizing agents, strong reducing agents.

SECTION 8: EXPOSURES CONTROLS AND PERSONAL PROTECION

8.1. Exposure limits

Chemical name	Type	Exposure Limit Values	Source
Methanol	REL	200 ppm 260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
Methanol	PEL	200 ppm 260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Methanol	TWA	200 ppm 260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Methanol	STEL	200 ppm 325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (US. ACGIH Threshold Limit Values, as amended (2008)
Methanol	TWA	200 ppm	US. ACGIH Threshold Limit Values, as amended (2008) STEL 250 ppm 325 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Methanol	STEL	250 ppm	US. ACGIH Threshold Limit Values, as amended (2008)
Methanol	STEL	250 ppm 325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Butan-1-ol	Ceil Time	50 ppm 150 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
Butan-1-ol	Ceiling	50 ppm 150 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Butan-1-ol	TWA	20 ppm	US. ACGIH Threshold Limit Values, as amended (2008)
Butan-1-ol	PEL	100 ppm 300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)

8.2. Exposure limits and monitoring

8.2.1. Exposure limits and monitoring for the workplace

No special measures required in handling of the product if the general precautions and hygiene measures are observed (see 7).

8.2.1.a. Respiratory precaution:

None

8.2.1.b. Protection of hands:

In case of high allergic sensitivity, contact over longer periods should be avoided.

8.2.1.c. Eye protection:

Safety goggles are recommended in case of fiber fly & hen bale straps are removed.

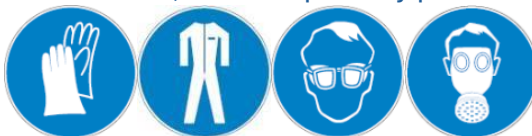
8.2.1.d. Body protection:

Safety footwear is recommended during transportation of bales.

8.2.2 Appropriate Engineering Controls:

8.2.2.a. Personal Protective Equipment:

Gloves, Protective clothing, Protective goggles, If insufficient Ventilation, wear respiratory protection.



8.2.2.b. Hand Protection:

Wear protective gloves.

8.2.2.c. Eye and Face Protection:

Safety glasses recommended for cutting and other operations here particles may be generated.

8.2.2.d. Skin and Body Protection:

Wear suitable protective clothing.

8.2.2.e. Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. Workplace risk assessments should be completed before specifying and implementing respirator usage.

8.2.2.f. Other Information:

When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties:

9.1.1. Safety relevant data and important details for health and environment:

9.1.1.a. Boiling Point:

Not Volatile

9.1.1.b. Flash Point:

Not Applicable

9.1.1.c. Auto-ignition Temperature:

860°F/460°C

9.1.1.d. Heat Combustion:

ca. 17kJ/g (ca. 4 kcal/g)

9.1.1.e. Density:

1,5 g/cm³ (20 °C)

9.1.1.f. Solubility:

Insoluble in water and common organic solvents

9.1.1.g. Thermal decomposition:

>175°C

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3. Conditions to Avoid:

May burn but does not ignite readily. Avoid contact with strong oxidizers, strong acids, strong bases, excessive heat, sparks, or open flame.

10.4. Substances to avoid:

Caustic soda of 8-10% concentration will attack fibers at room temperature. Fibers will be dissolved by diluted hot and by concentrated acids

10.5. Dangerous Decomposition Products:

Issue Date: June 2024

Depending on temperature and supply of air:
Carbon monoxide, carbon dioxide, several organic decomposition products.

10.6. Incompatible Materials:

Strong oxidizers, strong bases, and chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

10.7. Hazardous Decomposition Products:

Decomposition temperature is 572°F (300°C). Hazardous thermal decomposition products include Carbon Dioxide, Nitrogen Oxides (NO_x), Hydrogen cyanide (gaseous), Ammonia, Aldehydes, and Hydrocarbons.

SECTION 11: TOXICOLOGY INFORMATION

11.1. Information on Toxicological Effects:

11.1.1. Acute Toxicity:

Acute oral toxicity LD₅₀ (Rat): > 2000 mg/kg

Acute dermal toxicity > 5000 mg/kg

11.1.2. Skin Corrosion/Irritation:

No Data Available. Decomposition products may produce irritation.

11.1.3. Serious Eye Damage/Irritation:

No Data Available. Decomposition products may produce irritation.

11.1.4. Respiratory or Skin Sensitization:

Not Classified.

11.1.5. Germ Cell Mutagenicity:

No evidence of mutagenic effects.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. ACUTE AQUATIC TOXICITY:

Toxicity is expected to be low, based on insolubility in water.

12.1.2. DEGRADABILITY:

No data available.

12.1.3. LOG BIOCONCENTRATION FACTOR (BCF):

No data available.

12.1.4. LOG OCTANOL/WATER PARTITION COEFFICIENT:

No data available

Issue Date: June 2024

12.2. Persistence and Degradability:

Not Classified.

12.3. Bioaccumulative Potential:

Ethanol, 2,2',2''-nitrilotris

Cyprinus Carpio BCF < 3.9, exposure time 42

12.4. Mobility in Soil:

No additional information available

Ethanol, 2,2',2''-nitrilotris

Distribution among environmental compartments Koc: 18

12.5. Other Information:

Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods:

13.1.1. Waste Disposal Recommendations:

Dispose of contents/container in accordance with local, regional, national, and international regulations.

13.1.2. Ecology - Waste Materials:

Avoid release to the environment. This product should not be allowed to enter drains, water courses or soil.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein is classified as not a dangerous good.

14.1. In Accordance with DOT:

Not regulated for transport

14.2. In Accordance with IMDG:

Not regulated for transport

14.3. In Accordance with IATA:

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations:

All components of this product are listed on the TSCA inventory.

15.2. US State Regulations:

15.2.1 Pennsylvania Right to Know:

Water 7732-18-5

Methylphosphoric acid, compound with amidinourea 84402-58-4

15.2.2 California Prop 65:

Ethanol, 2,2'-iminobis 111-42-2

15.3. International Regulations:

All components of this product are listed on the Canadian Non-Domestic Substance List.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION ON LAST REVISION

16.1. Risk phrase: R53:

May cause long-term adverse effects in the aquatic environment. Toxic to reproduction, serious eye irritation.

Fibers may contain up to 1% of finish. Finish may be, if necessary, removed by washing with water. Information provided by the manufacturer must be observed during processing and application. In case of special applications, please contact the manufacturer for detailed information. The information contained herein corresponds with the supplier's level of knowledge at the time of issue.

It does not constitute any contractual guarantee in respect of the product's properties.

Date of Preparation or Latest Revision : 6/26/2024