



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3M™ Polyurethane Multi-Purpose Adhesive 5010 Cream

Product Identification Numbers

62-5281-5230-9, 62-5281-5235-8, 62-5281-8530-9

1.2. Recommended use and restrictions on use

Recommended use

Adhesive, Industrial use

1.3. Supplier's details

| | |
|----------------------|---|
| MANUFACTURER: | 3M |
| DIVISION: | Industrial Adhesives and Tapes Division |
| ADDRESS: | 3M Center, St. Paul, MN 55144-1000, USA |
| Telephone: | 1-888-3M HELPS (1-888-364-3577) |

1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2A.

Skin Corrosion/Irritation: Category 2.

Respiratory Sensitizer: Category 1.

Skin Sensitizer: Category 1.

Reproductive Toxicity: Category 1B.

Specific Target Organ Toxicity (respiratory irritation): Category 3.

Specific Target Organ Toxicity (repeated exposure): Category 1.

2.2. Label elements

Signal word

Danger

Symbols

Exclamation mark | Health Hazard |

Pictograms



Hazard Statements

Causes serious eye irritation.
Causes skin irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause respiratory irritation.
May damage fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure:
respiratory system |

Precautionary Statements

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
In case of inadequate ventilation wear respiratory protection.
Wear protective gloves and eye/face protection.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF exposed or concerned: Get medical advice/attention.

Storage:

Keep container tightly closed.
Store locked up in a well-ventilated place.

Disposal:

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

2.3. Hazards not otherwise classified

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

60% of the mixture consists of ingredients of unknown acute oral toxicity.

7% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|--------------------------------------|---------------|--------------------------|
| Urethane polymer | Trade Secret* | 50 - 70 Trade Secret * |
| p,p'-Methylenebis(Phenyl Isocyanate) | 101-68-8 | 10 - 15 Trade Secret * |
| Diphenylmethane-2,4'-diisocyanate | 5873-54-1 | 10 - 15 Trade Secret * |
| Amorphous Silica | 67762-90-7 | 5 - 10 Trade Secret * |
| Plasticizer | 68515-49-1 | 1 - 5 Trade Secret * |
| 2,2'-Dimorpholinodiethyl Ether | 6425-39-4 | 0.1 - 2.5 Trade Secret * |

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact:

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures**5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products**Substance**

Isocyanates
Carbon monoxide
Carbon dioxide
Hydrogen Cyanide
Oxides of Nitrogen
Oxides of Sulfur

Condition

During Combustion
During Combustion
During Combustion
During Combustion
During Combustion
During Combustion

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Or pour water on spill and allow to react for more than 30 minutes. Cover with absorbent material. Collect as much of the spilled material as possible. Place in a container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. Clean up residue. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

For industrial or professional use only. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Store away from heat. Store away from amines.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | C.A.S. No. | Agency | Limit type | Additional Comments |
|--------------------------------------|------------|-------------------------|--|---------------------|
| FREE ISOCYANATES | 101-68-8 | Manufacturer determined | TWA:0.005 ppm;STEL:0.02 ppm | |
| p,p'-Methylenebis(Phenyl Isocyanate) | 101-68-8 | ACGIH | TWA:0.005 ppm | |
| p,p'-Methylenebis(Phenyl Isocyanate) | 101-68-8 | OSHA | CEIL:0.2 mg/m3(0.02 ppm) | |
| FREE ISOCYANATES | 5873-54-1 | Manufacturer determined | TWA:0.005 ppm;STEL:0.02 ppm | |
| Amorphous Silica | 67762-90-7 | CMRG | CEIL:5 mg/m3 | |
| SILICA, AMORPHOUS | 67762-90-7 | OSHA | TWA concentration:0.8 mg/m3;TWA:20 millions of particles/cu. ft. | |
| Plasticizer | 68515-49-1 | CMRG | TWA:5 mg/m3 | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Indirect Vented Goggles

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Gloves made from the following material(s) are recommended: Neoprene

Nitrile Rubber

Natural Rubber

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - Neoprene

Apron – Nitrile

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--------------------------------|--------------------------|
| General Physical Form: | Solid |
| Specific Physical Form: | Paste |
| Odor, Color, Grade: | clear, slight odor. |
| Odor threshold | <i>No Data Available</i> |
| pH | <i>Not Applicable</i> |
| Melting point | <i>Not Applicable</i> |
| Boiling Point | >=200 °C |
| Flash Point | <i>Not Applicable</i> |

| | |
|---|---|
| Evaporation rate | <i>No Data Available</i> |
| Flammability (solid, gas) | Not Classified |
| Flammable Limits(LEL) | <i>Not Applicable</i> |
| Flammable Limits(UEL) | <i>Not Applicable</i> |
| Vapor Pressure | <i>Not Applicable</i> |
| Vapor Density | <i>Not Applicable</i> |
| Density | 1.05 g/cm ³ |
| Specific Gravity | 1.05 [Ref Std: WATER=1] |
| Solubility in Water | Slight (less than 10%) |
| Solubility- non-water | <i>No Data Available</i> |
| Partition coefficient: n-octanol/ water | <i>No Data Available</i> |
| Autoignition temperature | <i>No Data Available</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Viscosity | 400,000 centipoise [@ 73.4 °F] |
| Hazardous Air Pollutants | 25.7 % weight [Test Method: Calculated] |
| Volatile Organic Compounds | 5 g/l [Details: EU VOC content] |
| Percent volatile | 0.5 % |
| VOC Less H ₂ O & Exempt Solvents | 5 g/l [Test Method: calculated SCAQMD rule 443.1] |

SECTION 10: Stability and reactivity

10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Alcohols
Amines
Water

10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

May be harmful if inhaled.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest.

May cause additional health effects (see below).

Skin Contact:

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May cause additional health effects (see below).

Additional Health Effects:

Prolonged or repeated exposure may cause target organ effects:

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Additional Information:

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

| Name | Route | Species | Value |
|--------------------------------------|--------------------------------|---------|---|
| Overall product | Dermal | | No data available; calculated ATE > 5,000 mg/kg |
| Overall product | Inhalation-Vapor(4 hr) | | No data available; calculated ATE 20 - 50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE > 5,000 mg/kg |
| Diphenylmethane-2,4'-diisocyanate | Inhalation-Vapor | | LC50 estimated to be 10 - 20 mg/l |
| p,p'-Methylenebis(Phenyl Isocyanate) | Inhalation-Vapor | | LC50 estimated to be 10 - 20 mg/l |
| Diphenylmethane-2,4'-diisocyanate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| p,p'-Methylenebis(Phenyl Isocyanate) | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Diphenylmethane-2,4'-diisocyanate | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.369 mg/l |

| | | | |
|--------------------------------------|--------------------------------|--------|--------------------|
| Diphenylmethane-2,4'-diisocyanate | Ingestion | Rat | LD50 31,600 mg/kg |
| p,p'-Methylenebis(Phenyl Isocyanate) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.369 mg/l |
| p,p'-Methylenebis(Phenyl Isocyanate) | Ingestion | Rat | LD50 31,600 mg/kg |
| Amorphous Silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Amorphous Silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Amorphous Silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| Plasticizer | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Plasticizer | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 12.5 mg/l |
| Plasticizer | Ingestion | Rat | LD50 > 9,700 mg/kg |
| 2,2'-Dimorpholinodiethyl Ether | Dermal | Rabbit | LD50 3,030 mg/kg |
| 2,2'-Dimorpholinodiethyl Ether | Ingestion | Rat | LD50 2,020 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--------------------------------------|-------------------------|---------------------------|
| Diphenylmethane-2,4'-diisocyanate | official classification | Irritant |
| p,p'-Methylenebis(Phenyl Isocyanate) | official classification | Irritant |
| Amorphous Silica | Rabbit | No significant irritation |
| Plasticizer | Rabbit | Minimal irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--------------------------------------|-------------------------|---------------------------|
| Diphenylmethane-2,4'-diisocyanate | official classification | Severe irritant |
| p,p'-Methylenebis(Phenyl Isocyanate) | official classification | Severe irritant |
| Amorphous Silica | Rabbit | No significant irritation |
| Plasticizer | Rabbit | Mild irritant |

Skin Sensitization

| Name | Species | Value |
|--------------------------------------|-------------------------|--|
| Diphenylmethane-2,4'-diisocyanate | official classification | Sensitizing |
| p,p'-Methylenebis(Phenyl Isocyanate) | official classification | Sensitizing |
| Amorphous Silica | Human and animal | Not sensitizing |
| Plasticizer | Guinea pig | Some positive data exist, but the data are not sufficient for classification |

Respiratory Sensitization

| Name | Species | Value |
|--------------------------------------|---------|-------------|
| Diphenylmethane-2,4'-diisocyanate | Human | Sensitizing |
| p,p'-Methylenebis(Phenyl Isocyanate) | Human | Sensitizing |

Germ Cell Mutagenicity

| Name | Route | Value |
|------|-------|-------|
|------|-------|-------|

| | | |
|--------------------------------------|----------|--|
| Diphenylmethane-2,4'-diisocyanate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| p,p'-Methylenebis(Phenyl Isocyanate) | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Amorphous Silica | In Vitro | Not mutagenic |
| Plasticizer | In Vitro | Not mutagenic |
| Plasticizer | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|--------------------------------------|---------------|---------|--|
| Diphenylmethane-2,4'-diisocyanate | Inhalation | Rat | Some positive data exist, but the data are not sufficient for classification |
| p,p'-Methylenebis(Phenyl Isocyanate) | Inhalation | Rat | Some positive data exist, but the data are not sufficient for classification |
| Amorphous Silica | Not Specified | Mouse | Some positive data exist, but the data are not sufficient for classification |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|--------------------------------------|------------|--|---------|-----------------------|----------------------|
| Diphenylmethane-2,4'-diisocyanate | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat | NOAEL 0.004 mg/l | during organogenesis |
| p,p'-Methylenebis(Phenyl Isocyanate) | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat | NOAEL 0.004 mg/l | during organogenesis |
| Amorphous Silica | Ingestion | Not toxic to female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not toxic to male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not toxic to development | Rat | NOAEL 1,350 mg/kg/day | during organogenesis |
| Plasticizer | Ingestion | Not toxic to female reproduction | Rat | NOAEL 927 mg/kg/day | 2 generation |
| Plasticizer | Ingestion | Not toxic to male reproduction | Rat | NOAEL 929 mg/kg/day | 2 generation |
| Plasticizer | Ingestion | Toxic to development | Rat | NOAEL 38 mg/kg/day | 2 generation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|--------------------------------------|------------|------------------------|----------------------------------|-------------------------|---------------------|-------------------|
| Diphenylmethane-2,4'-diisocyanate | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |
| p,p'-Methylenebis(Phenyl Isocyanate) | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|--------------------------------------|------------|--------------------|--|---------|------------------|-------------------|
| Diphenylmethane-2,4'-diisocyanate | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.004 mg/l | 13 weeks |
| p,p'-Methylenebis(Phenyl Isocyanate) | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.004 mg/l | 13 weeks |
| Amorphous Silica | Inhalation | respiratory system | All data are negative | Human | NOAEL Not | occupational |

| | | silicosis | | | available | exposure |
|-------------|------------|-------------------------------|--|-----|---------------------|--------------|
| Plasticizer | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 0.5 mg/l | 2 weeks |
| Plasticizer | Inhalation | hematopoietic system liver | All data are negative | Rat | NOAEL 0.5 mg/l | 2 weeks |
| Plasticizer | Inhalation | kidney and/or bladder | All data are negative | Rat | NOAEL 0.5 mg/l | 2 generation |
| Plasticizer | Ingestion | endocrine system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 686 mg/kg/day | 90 days |
| Plasticizer | Ingestion | liver kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 500 mg/kg/day | 90 days |
| Plasticizer | Ingestion | heart | All data are negative | Rat | NOAEL 500 mg/kg/day | 90 days |
| Plasticizer | Ingestion | hematopoietic system | All data are negative | Dog | NOAEL 320 mg/kg/day | 90 days |

Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations

13.1. Disposal methods

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): Not regulated

SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information**15.1. US Federal Regulations**

Contact 3M for more information.

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

| <u>Ingredient</u> | <u>C.A.S. No</u> | <u>% by Wt</u> |
|---|------------------|----------------|
| p,p'-Methylenebis(Phenyl Isocyanate) | 101-68-8 | 10 - 15 |
| p,p'-Methylenebis(Phenyl Isocyanate) (Benzene, 1,1'-methylenebis[4-isocyanato-) | 101-68-8 | 10 - 15 |
| p,p'-Methylenebis(Phenyl Isocyanate) (DIISOCYANATES (CERTAIN CHEMICALS ONLY)) | 101-68-8 | 10 - 15 |

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information**NFPA Hazard Classification**

Health: 2 Flammability: 1 Instability: 1 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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| Issue Date: | 05/21/15 | Supersedes Date: | 07/10/09 |

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