

MATERIAL SAFETY DATA SHEET

DuraThane XL (Clear)

HMIS

HEALTH	*2
FLAMMABILITY	2
REACTIVITY	1
PERSONAL PROTECTION	H

1. Product And Company Identification	
<p>Supplier Superior Industries, Inc. 6180 Airways Blvd. Chattanooga, TN 37421</p> <p>Company Contact: H Wilson Telephone Number: 423-899-0467 FAX Number: 423-899-0421 Web Site: www.superior-industries.com</p>	<p>Manufacturer Superior Industries, Inc. 6180 Airways Blvd. Chattanooga, TN 37421</p> <p>Company Contact: H Wilson Telephone Number: 423-899-0467 FAX Number: 423-899-0421 Web Site: www.superior-industries.com</p>
<p>Supplier Emergency Contacts & Phone Number SUPERIOR: 800-476-2072 INTERNATIONAL: 423-899-0467</p>	<p>Manufacturer Emergency Contacts & Phone Number SUPERIOR: 800-476-2072 INTERNATIONAL: 423-899-0467</p>
<p>Issue Date: 11/09/2012</p> <p>Product Name: DuraThane XL (Clear) MSDS Number: 3446</p>	

2. Composition/Information On Ingredients			
	Ingredient Name	CAS Number	Percent Of Total Weight
	1-METHOXY-2-PROPYL ACETATE	108-65-6	20 - 25
	ALIPHATIC DIISOCYANATE	5124-30-1	20 - 30
	AROMATIC HYDROCARBON SOLVENT	64742-95-6	20 - 25
	POLYESTER POLYOL	27925-07-1	

EMERGENCY OVERVIEW
<p>Causes severe irritation to eyes and skin. May be harmful if swallowed. Read and understand all health and safety information on the product label and Material Safety Data Sheet before use.</p>

3. Hazards Identification
<p>Primary Routes(s) Of Entry Skin, Inhalation, Eyes</p> <p>Eye Hazards Causes severe eye irritation.</p> <p>Skin Hazards Causes severe skin irritation. Prolonged and/or repeated skin contact may cause an allergic reaction/sensitization.</p>

DuraThane XL (Clear)

3. Hazards Identification - Continued

Ingestion Hazards

Moderately toxic. May be harmful if swallowed. Ingestion may cause symptoms similar to those of inhalation.

Inhalation Hazards

May cause respiratory tract irritation. Breathing vapors may cause central nervous system depression.

Conditions Aggravated By Exposure

Preexisting eye, skin, and respiratory disorders may be aggravated by exposure.

4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious victim.

Inhalation

If not breathing, give artificial respiration. Get medical attention immediately.

Note To Physician

This product contains aromatic and aliphatic hydrocarbon solvent and isocyanate.

5. Fire Fighting Measures

Flash Point: 111 °F

Flash Point Method: TCC

Fire And Explosion Hazards

Vapors may be ignited by heat or sparks. Heat-exposed containers may burst. Empty containers may contain product residues. Do not pressurize, cut, weld, drill, grind, or expose containers to heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.

Extinguishing Media

Avoid use of water. In case of fire use foam, dry chemical, or CO₂.

Fire Fighting Instructions

In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Eliminate all ignition sources. Use appropriate Personal Protective Equipment (PPE). Absorb and/or contain spill with inert materials (e.g. sand, vermiculite) and then place in appropriate container. For large spills, use water spray to disperse vapors. Prevent runoff from entering waterways or sewers.

7. Handling And Storage

Handling Precautions

Keep out of reach of children. Eliminate all ignition sources. Provide good ventilation. Caution to be taken if the applied product is likely to be grinded or sanded as this may generate hazardous dusts. Avoid prolonged contact with the skin. Use solvent resistant gloves. Avoid rubbing eyes while handling.

Storage Precautions

Store in cool, dry, ventilated space away from direct sunlight. Keep away from heat, sparks, open flames,

DuraThane XL (Clear)

7. Handling And Storage - Continued

Storage Precautions - Continued

electrical equipment, welding torches, pilot lights, etc. Store at 50-85F. Do not reuse empty drums or containers. Do not drill, grind or weld on or near empty drums.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use of a system of local and/or general exhaust is recommended to keep employee below applicable exposure limits. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Eye/Face Protection

Faceshield over safety glasses or goggles.

Skin Protection

Chemical(solvent) resistant gloves. Lab coat or other work clothing. Launder before reuse.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Exposure Limits are exceeded, use a properly fitted NIOSH-approved respirator. When using spray application, use SCBA (self-contained breathing apparatus)

Ingredient(s) - Exposure Limits

ALIPHATIC DIISOCYANATE
ACGIH TLV-TWA 0.005ppm
AROMATIC HYDROCARBON SOLVENT
ACGIH TLV-TWA 100ppm

9. Physical And Chemical Properties

Appearance

Clear viscous liquid

Odor

Typical solvent odor

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/A °F

Boiling Point: 284-500 °F

Percent Volatiles: 45-50 by volume

Packing Density: 8.4 #/gallon

Vapor Pressure: 3.7 mm Hg @ 20C

Vapor Density: >air

Solubility: Negligible in water

VOC Content - 420 g/L

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Avoid contact with strong oxidizing materials and bases. Avoid contact with water.

MATERIAL SAFETY DATA SHEET

Page 4 of 5

DuraThane XL (Clear)

10. Stability And Reactivity - Continued

Incompatible Materials

Avoid water, strong acids, strong bases, and strong oxidizers.

Hazardous Decomposition Products

CO, CO₂, HCN, Nitrogen Oxides, Hydrocarbon fragments

11. Toxicological Information

Conditions Aggravated By Exposure

Prolonged exposure to solvents may aggravate allergic reactions to nose, throat and lungs.

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Part s 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA Information

Waste solutions may meet the RCRA Ignitable characteristic.

14. Transport Information

Proper Shipping Name

Ground Transport - Not Regulated by the US DOT according to 49CFR 173.150 (f) Air,
Boat Transport - Paint related material, 3, UN 1263, PG III

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

State Regulations

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

16. Other Information

HMIS Rating

Health: *2

Fire: 2

Reactivity: 1

PPE: H

Revision/Preparer Information

MSDS Preparer: EHS Department

MSDS Preparer Phone Number: 423-899-0467

This MSDS Supersedes A Previous MSDS Dated: 01/21/2005

MATERIAL SAFETY DATA SHEET

Page 5 of 5

DuraThane XL (Clear)

Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Superior believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

MATERIAL SAFETY DATA SHEET

Page 1 of 6

DuraThane XL (Standard Colors)

HMIS

HEALTH	*2
FLAMMABILITY	2
REACTIVITY	1
PERSONAL PROTECTION	H

1. Product And Company Identification

Supplier

Superior Industries, Inc.
6180 Airways Blvd.
Chattanooga, TN 37421

Company Contact: EHS Department
Telephone Number: 423-899-0467
FAX Number: 423-899-0421
Web Site: www.superior-industries.com

Manufacturer

Superior Industries, Inc.
6180 Airways Blvd.
Chattanooga, TN 37421

Company Contact: EHS Department
Telephone Number: 423-899-0467
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Supplier Emergency Contacts & Phone Number

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Manufacturer Emergency Contacts & Phone Number

SUPERIOR: 800-476-2072
INTERNATIONAL: 423-899-0467

Issue Date: 11/09/2012

Product Name: DuraThane XL (Standard Colors)
MSDS Number: 3411

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
1-METHOXY-2-PROPYL ACETATE	108-65-6	5 - 15
ALIPHATIC DIISOCYANATE	4098-71-9	10 - 20
AROMATIC AMINE	101-77-9	0.1 - 1
AROMATIC HYDROCARBON SOLVENT	64742-95-6	15 - 20
BLOCKED CYCLOALIPHATIC DIAMINE	054914-37-3	0.1 - 2
POLYESTER POLYOL	27925-07-1	
POLYETHER DIOL	25322-69-4	
POLYETHER POLYOL	25723-16-4	
SILICA, QUARTZ	14808-60-7	0.1 - 0.2
TALC	14807-96-6	
TITANIUM DIOXIDE	13463-67-7	
TOLUENE DIISOCYANATE (MIXED ISOMERS)	26471-62-5	1 - 3

EMERGENCY OVERVIEW

Causes severe irritation to eyes and skin. May be harmful if swallowed. Read and understand all health and safety information on the product label and Material Safety Data Sheet before use.

DuraThane XL (Standard Colors)

3. Hazards Identification

Primary Routes(s) Of Entry

Skin, Inhalation, Eyes

Eye Hazards

Causes severe eye irritation.

Skin Hazards

Causes severe skin irritation. Prolonged and/or repeated skin contact may cause an allergic reaction/sensitization.

Ingestion Hazards

Moderately toxic. May be harmful if swallowed. Ingestion may cause symptoms similar to those of inhalation.

Inhalation Hazards

May cause respiratory tract irritation. Breathing vapors may cause central nervous system depression.

Conditions Aggravated By Exposure

Preexisting eye, skin, and respiratory disorders may be aggravated by exposure.

4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious victim.

Inhalation

If not breathing, give artificial respiration. Get medical attention immediately.

Note To Physician

This product contains aromatic and aliphatic hydrocarbon solvents and isocyanate.

5. Fire Fighting Measures

Flash Point: 100 °F

Flash Point Method: TCC

Fire And Explosion Hazards

Vapors may be ignited by heat or sparks. Heat-exposed containers may burst. Empty container may contain product residues. Do not pressurize, cut, weld, drill, grind, or expose containers to heat flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.

Extinguishing Media

Avoid use of water. In case of fire use foam, dry chemical, or CO₂.

Fire Fighting Instructions

In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Eliminate all ignition sources. Use appropriate Personal Protective Equipment (PPE). Absorb and/or contain spill with inert materials (e.g. sand, vermiculite) and then place in appropriate container. For large spills, use water spray to disperse vapors. Prevent runoff from entering waterways or sewers.

DuraThane XL (Standard Colors)

7. Handling And Storage

Handling Precautions

Keep out of reach of children. Eliminate all ignition sources. Provide good ventilation. Caution to be taken if the applied product is likely to be grinded or sanded as this may generate hazardous dusts. Avoid prolonged contact with the skin. Use solvent resistant gloves. Avoid rubbing eyes while handling.

Storage Precautions

Store in cool, dry, ventilated space away from direct sunlight. Keep away from heat, sparks, open flames, electrical equipment, welding torches, pilot lights, etc. Store at 50-85F. Do not reuse empty drums or containers. Do not drill, grind or weld on or near empty drums.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use of a system of local and/or general exhaust is recommended to keep employee below applicable exposure limits. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Eye/Face Protection

Face shield over safety glasses or goggles.

Skin Protection

Chemical(solvent) resistant gloves. Lab coat or other work clothing. Launder before reuse.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Exposure Limits are exceeded, use a properly fitted NIOSH-approved respirator. When using spray application, use SCBA (self-contained breathing apparatus)

Ingredient(s) - Exposure Limits

ALIPHATIC DIISOCYANATE
OSHA PEL-TWA 0.005ppm

AROMATIC AMINE
ACGIH TLV-TWA 0.1ppm

AROMATIC HYDROCARBON SOLVENT
ACGIH TLV-TWA 100ppm

SILICA, QUARTZ
ACGIH TLV-TWA 0.05 mg/m³
OSHA PEL-TWA 30/%SiO₂+2 mg/m³
OSHA PEL-TWA 10/%SiO₂+2 mg/m³
OSHA PEL-TWA 250/%SiO₂+5 mppcf

TALC
ACGIH TLV-TWA 2 mg/m³
OSHA PEL-TWA 20 mppcf

TITANIUM DIOXIDE
ACGIH TLV-TWA 10 mg/m³
OSHA PEL-TWA 15 mg/m³

TOLUENE DIISOCYANATE (MIXED ISOMERS)
2, 4-Toluene Diisocyanate (TDI) CAS # 584-84-9
OSHA CEILING: 0.02 ppm
ACGIH TLV-TWA: 0.005 ppm
ACGIH TLV-STEL: 0.02 ppm

DuraThane XL (Standard Colors)

8. Exposure Controls/Personal Protection - Continued

Ingredient(s) - Exposure Limits - Continued

2, 6-Toluene Diisocyanate (TDI) CAS # 91-08-7
 OSHA: Not Established
 ACGIH: Not Established

9. Physical And Chemical Properties

Appearance

Various color viscous liquid

Odor

Typical solvent odor

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/A °F

Boiling Point: 284-500 °F

Percent Volatiles: 25-40 by volume

Packing Density: 9.3 #/gallon

Vapor Pressure: 3.7 mm Hg @ 20C

Vapor Density: >air

S o l u b i l i t y : Negligible in water

VOC Content - 340 g/L

10. Stability And Reactivity

S t a b i l i t y : Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Avoid contact with strong oxidizing materials and bases. Avoid contact with water.

Incompatible Materials

Avoid water, strong acids, strong bases, and strong oxidizers.

Hazardous Decomposition Products

CO, CO₂, HCN, Nitrogen Oxides, Hydrocarbon fragments

11. Toxicological Information

Ingredient(s) - Carcinogenicity

SILICA, QUARTZ

NTP - Listed On The National Toxicology Program

Listed In The IARC Monographs

TALC

Listed In The IARC Monographs

TOLUENE DIISOCYANATE (MIXED ISOMERS)

Listed In The IARC Monographs

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part s 261.3. Add itionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

DuraThane XL (Standard Colors)

13. Disposal Considerations - Continued

RCRA Information

Waste solutions may meet the RCRA Ignitable characteristic.

14. Transport Information

Proper Shipping Name

Ground Transport - Not Regulated by the US DOT according to 49CFR 173.150 (f) Air,
Boat Transport - Paint related material, 3, UN 1263, PG III

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

SARA Title III - Section 313 Supplier Notification

This product contains the following toxic chemicals that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

TOLUENE DIISOCYANATE (MIXED ISOMERS) (26471-62-5) 1 - 3 %

This information must be included on all MSDSs that are copied and distributed for this material.

Ingredient(s) - U.S. Regulatory Information

TOLUENE DIISOCYANATE (MIXED ISOMERS)
SARA Title III - EPA Part 355 Extremely Hazardous Substance
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

State Regulations

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Ingredient(s) - State Regulations

SILICA, QUARTZ
New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
California - Proposition 65
Massachusetts - Hazardous Substance
TALC
New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
Massachusetts - Hazardous Substance
TITANIUM DIOXIDE
New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
New York City - Hazardous Substance
TOLUENE DIISOCYANATE (MIXED ISOMERS)
New Jersey - Workplace Hazard
New Jersey - Environmental Hazard
New Jersey - TCPA Extraordinarily Hazardous Substance

MATERIAL SAFETY DATA SHEET

DuraThane XL (Standard Colors)

16. Other Information

HMIS Rating

Health: 2

Fire: 2

Reactivity: 1

PPE: H

Revision/Preparer Information

MSDS Preparer: EHS Department

MSDS Preparer Phone Number: 423-899-0467

This MSDS Supercedes A Previous MSDS Dated: 11/18/2004

Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any processes. The information set forth herein is based on technical data that Superior believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.