

























**SUPRASEC® 9631 (STI 03-0.15-S X-SEAL)**

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Result: Irritating to skin.

Diphenylmethanediisocyanate:

Species: Rabbit

Assessment: Irritating to skin.

Method: OECD Test Guideline 404

Result: Skin irritation

**Serious eye damage/eye irritation****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Species: Rabbit

Result: Mild eye irritation

Assessment: Irritant

Method: No information available.

Remarks: Mild eye irritation

largely based on human evidence

4,4'-methylenediphenyl diisocyanate:

Species: Rabbit

Result: Mild eye irritation

2,4'-methylenediphenyl diisocyanate:

Species: Humans

Result: Irritation to eyes, reversing within 7 days

Assessment: Mild eye irritant

Method: OECD Test Guideline 405

Remarks: Mild eye irritation

Diphenylmethanediisocyanate:

Species: Rabbit

Result: Irritation to eyes, reversing within 7 days

Assessment: Mild eye irritant

Method: OECD Test Guideline 405

**Respiratory or skin sensitisation****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Exposure routes: Skin

Species: Mouse

Assessment: May cause sensitisation by skin contact.

Result: Causes sensitisation.

Exposure routes: Respiratory Tract

Species: Guinea pig

Assessment: May cause sensitisation by inhalation.

Result: Causes sensitisation.

4,4'-methylenediphenyl diisocyanate:

Exposure routes: Skin

Species: Mouse

Method: OECD Test Guideline 429

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Result: May cause sensitisation by skin contact.

Exposure routes: Respiratory Tract

Species: Guinea pig

Result: May cause sensitisation by inhalation.

2,4'-methylenediphenyl diisocyanate:

Exposure routes: Skin

Species: Mouse

Assessment: May cause sensitisation by skin contact.

Result: Causes sensitisation.

Exposure routes: Respiratory Tract

Species: Guinea pig

Assessment: May cause sensitisation by inhalation.

Result: Causes sensitisation.

Diphenylmethanediisocyanate:

Exposure routes: Skin

Species: Guinea pig

Method: OECD Test Guideline 406

Result: May cause sensitisation by skin contact.

Exposure routes: Respiratory Tract

Species: Rat

Result: May cause sensitisation by inhalation.

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Assessment: Mild eye irritation

4,4'-methylenediphenyl diisocyanate:

Assessment: May cause sensitisation by inhalation and skin contact.

2,4'-methylenediphenyl diisocyanate:

Assessment: Mild eye irritation

Diphenylmethanediisocyanate:

Assessment: May cause an allergic skin reaction., May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ cell mutagenicity****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Genotoxicity in vitro : Concentration: 200 ug/plate  
Metabolic activation: with and without metabolic activation  
Method: Directive 67/548/EEC, Annex, B.13/14  
Result: negative

4,4'-methylenediphenyl diisocyanate:

Genotoxicity in vitro : Concentration: 200 ug/plate  
Metabolic activation: with and without metabolic activation

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Method: Directive 67/548/EEC, Annex, B.13/14  
Result: negative

**2,4'-methylenediphenyl diisocyanate:**

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

**Diphenylmethanediisocyanate:**

Genotoxicity in vitro : Concentration: 200 ug/plate  
Metabolic activation: with and without metabolic activation  
Method: Directive 67/548/EEC, Annex, B.13/14  
Result: negative

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Genotoxicity in vivo : Application Route: Inhalation  
Exposure time: 3 Weeks  
Dose: 118 mg/m<sup>3</sup>  
Method: OECD Test Guideline 474  
Result: negative

**4,4'-methylenediphenyl diisocyanate:**

Genotoxicity in vivo : Application Route: Inhalation  
Exposure time: 3 Weeks  
Dose: 118 mg/m<sup>3</sup>  
Method: OECD Test Guideline 474  
Result: negative

**2,4'-methylenediphenyl diisocyanate:**

Genotoxicity in vivo : Application Route: Inhalation  
Exposure time: 3 Weeks  
Dose: 118 mg/m<sup>3</sup>  
Method: OECD Test Guideline 474  
Result: negative

**Diphenylmethanediisocyanate:**

Genotoxicity in vivo : Application Route: Inhalation  
Result: Not classified due to inconclusive data.

Application Route: Inhalation  
Exposure time: 3 Weeks  
Dose: 113 mg/m<sup>3</sup>  
Method: OECD Test Guideline 474  
Result: negative

**Carcinogenicity****Product:**

Remarks: Rats have been exposed for two years to a respirable aerosol of polymeric MDI which resulted in a chronic pulmonary irritation at high concentrations. Only at the top level (6 mg/m<sup>3</sup>), there was a significant incidence of a benign tumour of the lung (adenoma) and one malignant tumour (adenocarcinoma). There were no lung tumours at 1 mg/m<sup>3</sup> and no effects at 0.2 mg/m<sup>3</sup>. Overall, the tumour incidence, both benign and malignant, and the number of animals with the

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tumours were not different from controls. The increased incidence of lung tumours is associated with prolonged respiratory irritation and the concurrent accumulation of yellow material in the lung, which occurred throughout the study. In the absence of prolonged exposure to high concentrations leading to chronic irritation and lung damage, it is highly unlikely that tumour formation will occur.

Carcinogenicity - Assessment : No data available

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity****Components:**

2,4'-methylenediphenyl diisocyanate:

Effects on fertility : Species: Rat, female  
Application Route: Inhalation  
Method: OECD Test Guideline 414  
Result: Animal testing did not show any effects on fertility.

Species: Rat, male and female  
Application Route: Inhalation  
Method: OECD Test Guideline 414  
Result: Animal testing did not show any effects on fertility.

Diphenylmethanediisocyanate:

Species: Rat, male and female  
Application Route: Inhalation  
Method: OECD Test Guideline 414  
Remarks: No significant adverse effects were reported

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Effects on foetal development : Species: Rat, male and female  
Application Route: Inhalation  
Method: OECD Test Guideline 414  
Result: No teratogenic effects

4,4'-methylenediphenyl diisocyanate:

Species: Rat, female  
Application Route: Inhalation

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General Toxicity Maternal: No observed adverse effect level: 4 mg/m<sup>3</sup>

Method: OECD Test Guideline 414

Result: No teratogenic effects

2,4'-methylenediphenyl diisocyanate:

Species: Rat, male and female

Application Route: Inhalation

General Toxicity Maternal: No observed adverse effect level: 4 mg/m<sup>3</sup>

Method: OECD Test Guideline 414

Result: No teratogenic effects

Diphenylmethanediisocyanate:

Species: Rat, male and female

Application Route: Inhalation

General Toxicity Maternal: 4 mg/m<sup>3</sup>

Method: OECD Test Guideline 414

Result: No teratogenic effects

Reproductive toxicity - Assessment : No data available

**STOT - single exposure****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Exposure routes: inhalation (dust/mist/fume)

Target Organs: Respiratory Tract

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

4,4'-methylenediphenyl diisocyanate:

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Assessment: May cause respiratory irritation.

2,4'-methylenediphenyl diisocyanate:

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Diphenylmethanediisocyanate:

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Assessment: May cause respiratory irritation.

**STOT - repeated exposure**

No data available



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**Repeated dose toxicity****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Species: Rat, male and female

NOEC: 0.2 mg/m3

Exposure time: 2 yr

Number of exposures: 5 d

Method: OECD Test Guideline 453

4,4'-methylenediphenyl diisocyanate:

Species: Rat, male and female

NOEC: 0.2 mg/m3

Exposure time: 2 yr

Number of exposures: 5 d

Method: OECD Test Guideline 453

2,4'-methylenediphenyl diisocyanate:

Species: Rat, male and female

NOEC: 0.2 mg/m3

Exposure time: 2 yr

Number of exposures: 5 d

Method: OECD Test Guideline 453

Diphenylmethanediisocyanate:

Species: Rat, male and female

NOEC: 0.2 mg/m3

Test atmosphere: dust/mist

Exposure time: 2 yr

Number of exposures: 5 d

Method: OECD Test Guideline 453

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Repeated dose toxicity - : Mild eye irritation

Assessment

2,4'-methylenediphenyl diisocyanate:

Repeated dose toxicity - : Mild eye irritation

Assessment

**Aspiration toxicity**

No data available

**Experience with human exposure**

General Information: No data available

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Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Ingestion: No data available

**Toxicology, Metabolism, Distribution**

No data available

**Neurological effects**

No data available

**Further information**

Ingestion: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

4,4'-methylenediphenyl diisocyanate:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

2,4'-methylenediphenyl diisocyanate:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 203

Diphenylmethanediisocyanate:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Test substance: Fresh water

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Method: OECD Test Guideline 203

LC0: > 1,000 mg/l  
Exposure time: 96 h**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 24 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 202

4,4'-methylenediphenyl diisocyanate:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 24 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 202

2,4'-methylenediphenyl diisocyanate:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 24 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 202

Diphenylmethanediisocyanate:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 24 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 202**Components:**

Diphenylmethanediisocyanate:

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 1,640 mg/l  
Exposure time: 72 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : No data available

Toxicity to fish (Chronic toxicity) : No data available

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): &gt;= 10 mg/l

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aquatic invertebrates  
(Chronic toxicity)                      Exposure time: 21 d  
Test Type: semi-static test  
Test substance: Fresh water  
Method: OECD Test Guideline 211

4,4'-methylenediphenyl diisocyanate:  
Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): >= 10 mg/l  
aquatic invertebrates                      Exposure time: 21 d  
(Chronic toxicity)                      Test Type: semi-static test  
Test substance: Fresh water  
Method: OECD Test Guideline 211

2,4'-methylenediphenyl diisocyanate:  
Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): >= 10 mg/l  
aquatic invertebrates                      Exposure time: 21 d  
(Chronic toxicity)                      Test Type: semi-static test  
Test substance: Fresh water  
Method: OECD Test Guideline 211

Diphenylmethanediisocyanate:  
Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): >= 10 mg/l  
aquatic invertebrates                      Exposure time: 21 d  
(Chronic toxicity)                      Test Type: semi-static test  
Test substance: Fresh water  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : No data available

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
Exposure time: 3 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 209

2,4'-methylenediphenyl diisocyanate:  
Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
Exposure time: 3 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 209

Diphenylmethanediisocyanate:  
Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
Exposure time: 3 h  
Test Type: static test  
Test substance: Fresh water  
Method: OECD Test Guideline 209

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

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Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): >= 1,000 mg/kg  
Exposure time: 336 h  
Method: OECD Test Guideline 207

4,4'-methylenediphenyl diisocyanate:  
Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): >= 1,000 mg/kg  
Exposure time: 336 h  
Method: OECD Test Guideline 207

2,4'-methylenediphenyl diisocyanate:  
Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): >= 1,000 mg/kg  
Exposure time: 336 h  
Method: OECD Test Guideline 207

Diphenylmethanediisocyanate:  
Toxicity to soil dwelling organisms : EC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg  
Exposure time: 336 h  
Method: OECD Test Guideline 207

Plant toxicity : No data available

Sediment toxicity : No data available

Toxicity to terrestrial organisms : No data available

Ecotoxicology Assessment  
Acute aquatic toxicity : No data available

Chronic aquatic toxicity : No data available

Toxicity Data on Soil : No data available

Other organisms relevant to the environment : No data available

**Persistence and degradability****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Biodegradability : Inoculum: Domestic sewage  
Concentration: 30 mg/l  
Result: Not biodegradable  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: Inherent Biodegradability: Modified MITI Test (II)

4,4'-methylenediphenyl diisocyanate:  
Biodegradability : Inoculum: Domestic sewage  
Concentration: 30 mg/l  
Result: Not biodegradable  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: Inherent Biodegradability: Modified MITI Test (II)

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**2,4'-methylenediphenyl diisocyanate:**

Biodegradability : Inoculum: Domestic sewage  
Concentration: 30 mg/l  
Result: Not biodegradable  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: Inherent Biodegradability: Modified MITI Test (II)

**Diphenylmethanediisocyanate:**

Biodegradability : Inoculum: Domestic sewage  
Concentration: 30 mg/l  
Result: Not biodegradable  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: Inherent Biodegradability: Modified MITI Test (II)

Biochemical Oxygen Demand (BOD) : No data available

Chemical Oxygen Demand (COD) : No data available

BOD/COD : No data available

ThOD : No data available

BOD/ThOD : No data available

Dissolved organic carbon (DOC) : No data available

Physico-chemical removability : No data available

**Components:****4,4'-methylenediphenyl diisocyanate:**

Stability in water : Degradation half life(DT50): 20 hrs (77 °F / 25 °C)  
Remarks: Fresh water

**Diphenylmethanediisocyanate:**

Stability in water : Degradation half life(DT50): 0.8 d (77 °F / 25 °C)  
Method: No information available.  
Remarks: Fresh water

Photodegradation : No data available

Impact on Sewage Treatment : No data available

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**Bioaccumulative potential****Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Bioaccumulation : Species: Cyprinus carpio (Carp)  
 Bioconcentration factor (BCF): 200  
 Remarks: Bioaccumulation is unlikely.

4,4'-methylenediphenyl diisocyanate:

Bioaccumulation : Species: Cyprinus carpio (Carp)  
 Bioconcentration factor (BCF): 200  
 Remarks: Bioaccumulation is unlikely.

2,4'-methylenediphenyl diisocyanate:

Bioaccumulation : Species: Cyprinus carpio (Carp)  
 Bioconcentration factor (BCF): 200  
 Remarks: Bioaccumulation is unlikely.

Diphenylmethanediisocyanate:

Bioaccumulation : Species: Cyprinus carpio (Carp)  
 Bioconcentration factor (BCF): 200  
 Remarks: Bioaccumulation is unlikely.

**Components:**

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]:

Partition coefficient: n- : log Pow: 4.51 (68 °F / 20 °C)  
 octanol/water pH: 7  
 Method: OECD Test Guideline 117

4,4'-methylenediphenyl diisocyanate:

Partition coefficient: n- : log Pow: 4.51 (68 °F / 20 °C)  
 octanol/water pH: 7  
 Method: OECD Test Guideline 117

2,4'-methylenediphenyl diisocyanate:

Partition coefficient: n- : log Pow: 4.51 (68 °F / 20 °C)  
 octanol/water pH: 7  
 Method: OECD Test Guideline 117

**Mobility in soil**

Mobility : No data available

Distribution among : No data available  
 environmental compartments

Stability in soil : No data available

**Other adverse effects**

Environmental fate and : No data available  
 pathways

Results of PBT and vPvB : No data available

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assessment

Endocrine disrupting potential : No data available

Adsorbed organic bound halogens (AOX) : No data available

**Hazardous to the ozone layer**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

Global warming potential (GWP) : No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA**

Not regulated as dangerous goods

**IMDG**

Not regulated as dangerous goods

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**



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**DOT Classification**

UN/ID/NA number	: NA 3082
Proper shipping name	: OTHER REGULATED SUBSTANCES, LIQUID, N.O.S. (Methylene Diphenyl Diisocyanate)
Class	: 9
Packing group	: III
Labels	: CLASS 9
ERG Code	: 171
Marine pollutant	: no

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
4,4'-methylenediphenyl diisocyanate	101-68-8	5000	19619
chlorobenzene	108-90-7	100	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

4,4'-methylenediphenyl diisocyanate	101-68-8	>= 20 - < 30 %
Diphenylmethanediisocyanate	9016-87-9	>= 5 - < 10 %

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

4,4'-methylenediphenyl diisocyanate	101-68-8
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**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**The components of this product are reported in the following inventories:**

- CH INV : The formulation contains substances listed on the Swiss Inventory, On the inventory, or in compliance with the inventory
- DSL : All components of this product are on the Canadian DSL
- AICS : On the inventory, or in compliance with the inventory
- NZIoC : Not in compliance with the inventory
- ENCS : Not in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : Not in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory
- TCSI : Not in compliance with the inventory
- TSCA : On the inventory, or in compliance with the inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**TSCA - 5(a) Significant New Use Rule List of Chemicals**

No substances are subject to a Significant New Use Rule.

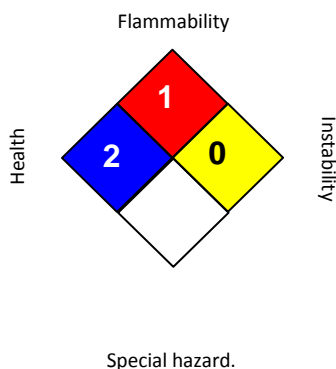
**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

No substances are subject to TSCA 12(b) export notification requirements.

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA 704:**



**HMIS® IV:**

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Liquid decontaminants (percentages by weight or volume) :**

Decontaminant 1 : \*- sodium carbonate : 5 - 10 % \*- liquid detergent : 0.2 - 2 % \*- water : to make up to 100 %

Decontaminant 2 : \*- concentrated ammonia solution : 3 - 8 % \*- liquid detergent : 0.2 - 2 % \*- water : to make up to 100 %

**SUPRASEC® 9631 (STI 03-0.15-S X-SEAL)**

Version	Revision Date:	SDS Number:	Date of last issue: 02/11/2016
1.1	05/16/2018	400001016383	Date of first issue: 02/11/2016

Decontaminant 1 reacts slower with diisocyanates but is more environmentally friendly than decontaminant 2.

Decontaminant 2 contains ammonia. Ammonia presents health hazards. (See supplier safety information.)

Revision Date : 05/16/2018

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1  
Limits for Air Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
OSHA Z-1 / C : Ceiling

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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