

Safety Data Sheet

Firestone Building Products Company

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • I.S.O. Twin Pack™ Insulation Adhesive Part B

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

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company

200 4th Avenue S
Nashville, TN 37201-2208
United States

firestonemsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Skin Irritation 2 - H315
Skin Sensitization 1 - H317
Eye Irritation 2 - H319

DSD/DPD • Irritant (Xi)
R36/38, R43

2.2 Label Elements

CLP

WARNING



Hazard statements • H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements

Prevention • P261 - Avoid breathing mists, vapours, and/or spray.
P264 - Wash thoroughly after handling.

- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P280 - Wear protective gloves and eye/face protection , .
- Response** • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P321 - Specific treatment, see supplemental first aid information.
- Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases** • R36/38 - Irritating to eyes and skin.
R43 - May cause sensitisation by skin contact.
- Safety phrases** • S24 - Avoid contact with skin.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 - Wear suitable gloves.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

- CLP** • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD** • This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012** • Skin Irritation 2
Skin Sensitization 1
Eye Irritation 2A

2.2 Label elements

OSHA HCS 2012

WARNING



- Hazard statements** • Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation

Precautionary statements

- Prevention** • Avoid breathing mists, vapours, and/or spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves and eye/face protection , .
- Response** • If on skin: Wash with plenty of water .
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
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.
 Specific treatment, see supplemental first aid information.

- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



WHMIS

- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Siloxanes and Silicones, di-Me, reaction products with silica	CAS:67762-90-7	<= 2.5%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	CAS:1760-24-3 EINECS:217-164-6	<= 2.5%	Ingestion/Oral-Rat LD50 • 2413 mg/kg	EU DSD/DPD: Self Classified: Xi; R36 EU CLP: Self Classified: Eye Irrit. 2, H319 OSHA HCS 2012: Eye Irrit. 2	NDA
Propanol, oxybis-	CAS:25265-71-8 EINECS:246-770-3	<= 2.5%	Ingestion/Oral-Rat LD50 • 14850 mg/kg Skin-Rabbit LD50 • >20 mL/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin**
- Wash skin with soap and water. If irritation develops and persists, get medical attention.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- Rinse mouth. Drink 1 - 2 glasses of water. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- Use fire extinguishing media as appropriate for surrounding conditions.
- Unsuitable Extinguishing Media**
- No data available

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Dried solids can burn and release toxic fumes and vapors.
- Hazardous Combustion Products**
- No data available

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).
SMALL FIRES: Move containers from fire area if you can do it without risk.
LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Emergency Procedures**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Keep out of low areas. Stay upwind.

6.2 Environmental precautions

- Prevent entry into waterways and sewers.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Dike to collect large liquid spills.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours, spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed. Store in a cool, dry, well-ventilated place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines			
	Result	Germany DFG	Germany TRGS
Propanol, oxybis- (25265-71-8)	TWAs	Not established	100 mg/m ³ TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, inhalable fraction, exposure factor 2)
	Ceilings	200 mg/m ³ Peak (inhalable fraction)	Not established
	MAKs	100 mg/m ³ TWA MAK (inhalable fraction)	Not established

Exposure Control Notations

Germany TRGS

•Propanol, oxybis- (25265-71-8): **Skin:** (skin notation)

Germany DFG

•Propanol, oxybis- (25265-71-8): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Skin:** (skin notation (inhalable fraction))

8.2 Exposure controls

Engineering Measures/Controls

- This material is designed to be used outdoors, in roofing applications. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear chemical splash safety goggles.

Skin/Body

- Wear appropriate chemical resistant clothing and chemical resistant gloves.

Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Colorless liquid with polyether odor.
Color	Colorless	Odor	Polyether
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	9 to 10
Specific Gravity/Relative Density	= 0.98 @ 20 °C(68 °F) Water=1	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Product does not present an explosion hazard.
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	> 350 °C(> 662 °F)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Not determined.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- High temperatures.

10.5 Incompatible materials

- Oxidizing agents.

10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide, tin oxide.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Siloxanes and Silicones, di-Me, reaction products with silica (<= 2.5%)	67762-90-7	Multi-dose Toxicity: Inhalation-Rat TLo • 30 mg/kg 6 Hour(s) 4 Week(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Other changes; Blood:Hemorrhage; Related to Chronic Data:Death in the Other Multiple Dose data type field</i>
Ethylenediamine, N-(3-(trimethoxysilyl)propyl)- (<= 2.5%)	1760-24-3	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2413 mg/kg; <i>Behavioral:Tremor; Gastrointestinal:Hypermotility, diarrhea; Gastrointestinal:Other changes; Skin-Rat LD50 • >2009 mg/kg; Irritation:</i> Eye-Rabbit • 15 mg • Severe irritation; Skin-Rabbit • 500 mg-Open • Mild irritation
Propanol, oxybis- (<= 2.5%)	25265-71-8	Acute Toxicity: Ingestion/Oral-Rat LD50 • 14850 mg/kg; Skin-Rabbit LD50 • >20 mL/kg

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2A
Skin sensitization	EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available

Skin

- Acute (Immediate)** • Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash.
- Chronic (Delayed)** • No data available

Eye

- Acute (Immediate)** • Causes serious eye irritation.
- Chronic (Delayed)** • No data available

Ingestion

- Acute (Immediate)** • Although swallowing this product is an unlikely means of exposure, irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.
- Chronic (Delayed)** • No data available

Key to abbreviations

LD = Lethal Dose

TC = Toxic Concentration

Section 12 - Ecological Information**12.1 Toxicity**

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods**

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	NDA	Not Regulated	NDA	NDA	NDA

IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA
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14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code • Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	No	No	No
Propanol, oxybis-	25265-71-8	No	No	Yes
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Yes	No	Yes	Yes	No
Propanol, oxybis-	25265-71-8	Yes	No	Yes	Yes	No
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Yes	No	Yes	No	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Yes	Yes	Yes
Propanol, oxybis-	25265-71-8	Yes	Yes	Yes
Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Yes	Yes	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Australia - High Volume Industrial Chemicals List

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Australia - List of Designated Hazardous Substances - Classification

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Environment**Australia - National Pollutant Inventory (NPI) Substance List**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Australia - Priority Existing Chemical Program

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Belgium**Labor****Belgium - Substances and Preparations - Carcinogens and Mutagens**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Bulgaria**Environment****Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Canada**Labor****Canada - WHMIS - Classifications of Substances**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed

• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
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Canada - WHMIS - Ingredient Disclosure List

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

China**Other****China - Annex I & II - Controlled Chemicals Lists**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Denmark**Environment****Denmark - List of Undesirable Substances - Product Groups/Function**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Environment

Germany - TA Luft - Types and Classes

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
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• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	ID Number 849, not considered hazardous to water

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	ID Number 7703, hazard class 1 - low hazard to waters
• Propanol, oxybis-	25265-71-8	ID Number 3419, hazard class 1 - low hazard to waters
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Mexico**Other****Mexico - Hazard Classifications**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Mexico - Regulated Substances

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed

• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

United States - Pennsylvania

Labor**U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Ethylenediamine, N-(3-(trimethoxysilyl)propyl)-	1760-24-3	Not Listed
• Propanol, oxybis-	25265-71-8	Not Listed
• Siloxanes and Silicones, di-Me, reaction products with silica	67762-90-7	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Revision Date**

- 19/January/2018

Preparation Date

- 13/April/2009

Other Information

- Changes to this revision: Updated mailing address.

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Key to abbreviations

NDA = No data available