



Safety Data Sheet

Dynatex® 56200 Minimal Expanding Foam

Section 1. Identification

Product Identifier Dynatex® 56200 Minimal Expanding Foam

Synonyms 56200TN12

Manufacturer Stock Numbers 56200TN12

Recommended use Refer to Technical Information

Uses advised against Refer to Technical Information

Manufacturer Contact

Address

Dynatex a division of Soudal Accumetric
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Elizabethtown, KY, 42701
USA

Phone

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Emergency Phone

(800) 424-9300

CHEMTREC

Fax

(270) 769-6418

Section 2. Hazards Identification

Classification

ACUTE TOXICITY - DERMAL - Category 4
ACUTE TOXICITY - INHALATION - Category 4
ACUTE TOXICITY - ORAL - Category 4
CARCINOGENICITY - Category 2
EYE DAMAGE/IRRITATION - Category 2A
FLAMMABLE AEROSOLS - Category 1
SENSITIZATION - RESPIRATORY - Category 1A
SENSITIZATION - SKIN - Category 1
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

Signal Word

Danger

Pictogram



Hazard Statements

Causes serious eye irritation
Causes skin irritation
Extremely flammable aerosol
Harmful if inhaled
Harmful if swallowed
Harmful in contact with skin
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause damage to organs through prolonged or repeated exposure.
May cause respiratory irritation.
Suspected of causing cancer.

Precautionary Statements

Response

Call a poison center or doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
If swallowed: Call a poison center/doctor if you feel unwell.
Rinse mouth.
Specific treatment (see label)
Take off contaminated clothing and wash it before reuse.
Take off immediately all contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Do not eat, drink or smoke when using this product.
Do not handle until all safety precautions have been read and understood.
Do not spray on an open flame or other ignition source.
In case of inadequate ventilation wear respiratory protection.
Keep away from heat.
Obtain special instructions before use.
Pressurized container: Do not pierce or burn, even after use.
Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling.
Wear eye protection/face protection.
Wear protective gloves/protective clothing.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container in accordance with local, state and federal regulations.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

Other Hazards Contains isocyanates. See information supplied by the manufacturer. Allergic sensitization may be possible with isocyanates. Persons already sensitized to diisocyanates may develop allergic reactions when using this product.

Section 3. Ingredients

| CAS | Ingredient Name | Weight % |
|------------|--|----------|
| 74-98-6 | Propane | < 10 % |
| 75-28-5 | Isobutane | < 20 % |
| 13674-84-5 | Trichorylpropylene Phosphate | < 25 % |
| 63449-39-8 | Chlorinated paraffin waxes and hydrocarbon waxes | < 25 % |
| 9016-87-9 | Polymeric diphenylmethane diisocyanate | > 25 % |

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

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| Description of necessary measures | IF exposed or concerned: Get medical advice/attention; Call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell. |
| Inhalation | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician. Specific treatment (see label). If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Skin | IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see ... on this label). Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. |
| Eyes | 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. |
| Ingestion | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. |
| Indication of any immediate medical attention and special treatment needed | Treat symptomatically and supportively. Persons already sensitized to diisocyanates may develop allergic reactions when using this product. |
| Most Important Symptoms/Effects | Acute Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Delayed May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Suspected of causing cancer. May cause |

damage to organs through prolonged or repeated exposure: respiratory tract.

Section 5. Fire Fighting Measures

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| Suitable Extinguishing Media | Water, carbon dioxide |
| Unsuitable Extinguishing Media | None known |
| Special Hazards Arising from the Chemical | Extremely flammable aerosol. |
| Hazardous Combustion Products | Oxides of carbon, Phosphorus oxides, hydrogen cyanide, hydrogen chloride. May polymerize when heated. |
| Special Protective Equipment and Precautions for Firefighters | Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Do not spray on an open flame or other ignition sources. Do not pierce or burn, even after use. Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. |
| Fire Fighting Measures | Danger of explosion. Keep unnecessary people away, isolate hazard area and deny entry. Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. Do not allow to enter into surface water or drains. |

Section 6. Accidental Release Measures

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| Personal Precautions, Protective Equipment and Emergency Procedures | Wear appropriate personal protective equipment recommended in Section 8 of the SDS. Do not smoke when using this product or handle near an open flame or sparks. Use explosion-proof electrical/ventilating/lighting equipment. |
| Methods and Materials for Containment and Cleaning Up | Do not pierce or burn, even after use. |
| Environmental Precautions | Do not allow to enter into surface water or drains. Dike for later disposal. |

Section 7. Handling and Storage

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| Precautions for Safe Handling | Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Do not spray on an open flame or other ignition sources. Do not pierce or burn, even after use. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Take off contaminated clothing and wash before re-use. Contaminated work clothing should not be allowed out of the workplace. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use explosion-proof electrical/ventilating/lighting equipment. |
| Conditions for Safe Storage, Including any Incompatibilities | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Ensure adequate ventilation of the storage area. Maximum storage period (time): 1 year. |

Incompatible Materials Heat, strong acids, strong bases, Amines. Keep away from all ignition sources.

Section 8. Exposure Controls/Personal Protection

| Occupational Exposure Limits | Ingredient Name | ACGIH TLV | OSHA PEL | STEL |
|--|--|--------------|------------------------|----------|
| | Propane | 1000 ppm TWA | 1000 ppm PEL | N/A |
| | Isobutane | 1000 ppm | N/A | 1000 ppm |
| | Trichorypropylene Phosphate | N/A | N/A | N/A |
| | Chlorinated paraffin waxes and hydrocarbon waxes | N/A | N/A | N/A |
| | Polymeric diphenylmethane diisocyanate | 0.005 ppm | 0.02 mg/m ³ | N/A |
| Personal Protective Equipment | Goggles, Gloves | | | |
| Component Exposure Limits | Isobutane (75-28-5) ACGIH: 1000 ppm STEL NIOSH: 800 ppmTWA; 1900 mg/m ³ TWA Propane (74-98-6) ACGIH: 1000 ppm TWA NIOSH: 1000 ppmTWA; 1800 mg/m ³ TWA; 2100 ppmIDLH (10% LEL) OSHA (US): 1000 ppmTWA; 1800 mg/m ³ TWA | | | |
| Biological limit value | There are no biological limit values for any of this product's components. | | | |
| Engineering Controls | Use explosion-proof electrical/ventilating/lighting equipment. Keep away from heat/sparks/open flames/hot surfaces. | | | |
| Individual Protection Measures, such as Personal Protective Equipment | Eye/face protection Wear splash resistant safety goggles. Skin Protection Wear suitable protective clothing and gloves. Respiratory Protection Use a respirator with an organic vapor cartridge for concentrations exceeding the occupational exposure limit. Glove Recommendations Recommended material type: LOW DENSITY POLYETHYLENE | | | |

Section 9. Physical and Chemical Properties

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| Physical State | Aerosol |
| Color | Champagne |
| Odor | Characteristic |
| Odor Threshold | Not available |
| Solubility | Insoluble in water |

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|---------------------------------------|-------------------|
| Partition coefficient Water/n-octanol | Not available |
| VOC% | 26% |
| Viscosity | No data available |
| Specific Gravity | No data available |
| Density lbs/Gal | N/A |
| Pounds per Cubic Foot | N/A |
| Flash Point | Not available |
| FP Method | N/A |
| Ph | Not available |
| Melting Point | No data available |
| Boiling Point | No data available |
| Boiling Range | N/A |
| LEL | N/A |
| UEL | N/A |
| Evaporation Rate | Not available |
| Flammability | Not available |
| Decomposition Temperature | Not available |
| Auto-ignition Temperature | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |

Note

The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

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| Reactivity | May polymerize when heated. |
| Chemical Stability | Stable under normal conditions of use. |
| Possibility of Hazardous Reactions | May polymerize when heated. |
| Conditions to Avoid | Avoid contact with incompatible materials. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Do not spray on an open flame or other ignition sources. Do not pierce or burn, even after use. |
| Incompatible Materials | Heat, strong acids, strong bases, Amines, Keep away from all ignition sources. |
| Thermal Decomposition Products | Oxides of carbon, oxides of phosphorus, hydrogen cyanide, hydrogen chloride |

Section 11. Toxicological Information

Information on Likely
Routes of Exposure

Inhalation
May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.

Skin Contact
Harmful in contact with skin. May cause allergic skin reaction. Causes skin irritation.

Eye Contact
Causes serious eye irritation.

Ingestion
Harmful if swallowed.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:
Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)
Inhalation LC50Rat 490 mg/m³ 4 h
2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)
Oral LD50Rat 500 mg/kg
Dermal LD50Rabbit 1230 mg/kg
Inhalation LC50Rat 5 mg/L 4 h
Isobutane (75-28-5)
Inhalation LC50Rat 658 mg/L 4 h
Propane (74-98-6)
Inhalation LC50Rat 658 mg/L 4 h

Immediate Effects
Harmful in contact with skin. Causes serious eye irritation. Harmful if swallowed. May cause damage to organs. Causes skin irritation.

Delayed Effects
May cause allergic skin reaction. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Irritation/Corrosivity Data
Causes serious eye irritation. Causes skin irritation.

Respiratory Sensitization
May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

Dermal Sensitization
May cause allergic skin reaction.

Germ Cell Mutagenicity
No data available.

Reproductive Toxicity
No data available.

Specific Target Organ Toxicity - Single Exposure
heart.

Specific Target Organ Toxicity - Repeated Exposure
respiratory system.

Aspiration hazard
No data available.

**Component
Carcinogenicity**

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)
IARC: Supplement 7 [1987]; Monograph 19 [1979](Group 3 (not classifiable))
DFG: Category 4 (no significant contribution to human cancer)

Chlorinated paraffin waxes and hydrocarbon waxes (63449-39-8)
IARC: Monograph 48 [1990](Group 2B (possibly carcinogenic to humans))
DFG: Category 3B (could be carcinogenic for man)
OSHA: Present

**Medical Conditions
Aggravated by Exposure**

eye disorders, respiratory disorders, heart disorders, skin disorders and allergies. May produce an allergic reaction. Persons already sensitized to diisocyanates may develop allergic reactions when using this product.

Section 12. Ecological Information

**Component Analysis -
Aquatic Toxicity**

2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5)
Fish:
LC50 96 h Brachydanio rerio 56.2 mg/L [static]; LC50 96 h Pimephales promelas 98 mg/L [static]; LC50 96 h Poecilia reticulata 30 mg/L [static]
Algae:
EC50 72 h Desmodesmus subspicatus 45 mg/L IUCLID; EC50 96 h Pseudokirchneriella subcapitata 4 mg/L IUCLID
Invertebrate:
EC50 48 h Daphnia magna 63 mg/L IUCLID

Chlorinated paraffin waxes and hydrocarbon waxes (63449-39-8)
Fish:
LC50 96 h Lepomis macrochirus >300 mg/L [static]; LC50 96 h Oncorhynchus mykiss >0.0109 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 94.5 - 271 mg/L [static]; LC50 96 h Lepomis macrochirus >0.1 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]

Section 13. Disposal

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations. Do not allow to enter into ground-water, surface water or drains.

Section 14. Transport Information

UN Number 1950
UN Proper Shipping Name AEROSOLS
DOT Classification Hazard Class 2.1
Packing Group 2.1

Section 15. Regulatory Information

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| U.S. Federal Regulations | <p>This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.</p> <p>Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) SARA 313: 1 % de minimis concentration SARA Section 311/312 (40 CFR 370 Subparts B and C) Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: Yes Reactivity: Yes</p> |
| U.S. State Regulations | <p>The following components appear on one or more of the following state hazardous substances lists:</p> <p>Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) NJ</p> <p>Propane (74-98-6) MA, MN, NJ, PA</p> <p>Isobutane (75-28-5) MA, NJ, PA</p> <p>Not listed under California Proposition 65</p> |
| Canadian WHMIS Ingredient Disclosure List (IDL) | <p>The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.</p> |
| WHMS Classification | B5, D2A, D2B |

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| Section 16. Other Information |
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Revision Date 10/19/2016

HMIS and NFPA Rating

HMIS
Health: 2*
Fire: 3
Reactivity: 3

NFPA
Health: 2
Fire: 3
Reactivity: 3

Hazard Scale:
0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe
* = Chronic hazard

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