



According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

**SECTION 1: Identification**

**Material name:** TRED-eXtreme®, TRED-eXtreme® ESD

**Product code:** TRED-eXtreme®, TRED-eXtreme® ESD

**Recommended use of the product and restriction on use:**

Building Material - Industrial, Construction, Component Parts.

**Manufacturer or supplier details**

**Manufacturer:**

Affiliated Resources, Inc.  
5 Centerpointe Drive, Suite 530  
Lake Oswego, OR 97035  
(503) 228-3802

**Supplier:**

Affiliated Resources, Inc.  
5 Centerpointe Drive, Suite 530  
Lake Oswego, OR 97035  
(503) 228-3802

**Emergency telephone number:**

**Affiliated Resources, Inc.**  
(503) 228-3802

**SECTION 2: Hazard(s) identification**

**GHS classification:**

Eye irritation, category 2B.

Carcinogenicity, category 2.

Skin sensitization, category 1.

Respiratory sensitization, category 1.

Specific target organ toxicity - single exposure, category 3, respiratory irritation.

Specific target organ toxicity - repeated exposure, category 2.

**Label elements**

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:**

H320 Causes eye irritation

H335 May cause respiratory irritation

H351 Suspected of causing cancer

H373 May cause damage to organs through prolonged or repeated exposure

H317 May cause an allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.



According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

- P302+P352 If on skin: Wash with soap and water.
- P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P403+P233 Store in a well ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents and container as instructed in Section 13.

**Hazards not otherwise classified:**

Warning! May form combustible dust concentrations in air.  
 Note: These products are not hazardous in the form they are shipped by the manufacturer but may become hazardous as the result of downstream activities (e.g. cutting and sanding) which creates small particles resulting in the hazard classification.

**SECTION 3: Composition/information on ingredients**

Identification	Name	Wt. %
<b>CAS number:</b> 9003-35-4	Phenol Formaldehyde Resin	<3
<b>CAS number:</b> 25087-34-7	1-Butene, polymer with ethene	5-20
<b>CAS number:</b> 25213-02-9	1-Hexene, polymer with ethene	5-20
<b>CAS number:</b> N/A	Wood/Wood Dust	61-88
<b>CAS number:</b> 9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	<1
<b>CAS number:</b> 101-68-8	4,4'-Methylenediphenyl diisocyanate	<1
<b>CAS number:</b> 26447-40-5	Methylenediphenyl diisocyanate	<1

**SECTION 4: First aid measures**

**Description of first aid measures**

**After inhalation:**

- Take precautions to ensure your own safety.
- Remove source of exposure or move person to fresh air.
- Get medical advice if you feel unwell or concerned.

**After skin contact:**



According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

Rinse affected area with soap and water.  
If symptoms develop or persist, seek medical attention.

**After eye contact:**

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open.  
Remove contact lenses, if present and easy to do so.  
Continue rinsing for 15-20 minutes.  
Get medical advice if eye irritation persists.

**After swallowing:**

Rinse mouth and then drink plenty of water.  
Do not induce vomiting.  
Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

**Acute symptoms:**

No information available.

**Delayed symptoms:**

No information available.

**Immediate medical attention and special treatment:**

No information available.

**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media:**

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

**Unsuitable extinguishing media:**

No information available.

**Specific hazards during fire-fighting:**

Thermal decomposition can lead to release of irritating gases and vapors.

**Special protective equipment for firefighters:**

Wear protective eye wear, gloves and clothing.  
Refer to Section 8.  
Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

**Additional information:**

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.  
Avoid contact with skin, eyes and clothing.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.  
Ensure air handling systems are operational.  
Wear protective eye wear, gloves and clothing.



According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

**Environmental precautions:**

Should not be released into the environment.  
Prevent from reaching drains, sewer or waterway.

**Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing.  
Sweep or scoop up solid material while minimizing dust generation.  
Dispose of contents / container in accordance with local regulations.

**Reference to other sections:**

None

**SECTION 7: Handling and storage**

**Precautions for safe handling:**

Do not eat, drink, smoke or use personal products when handling chemical substances.  
Avoid breathing mist or vapor.  
Use only with adequate ventilation.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool, well-ventilated area.  
Store away from foodstuffs.

**SECTION 8: Exposure controls/personal protection**

**Components with workplace control parameters:**

Component name	Identifier	Permissible concentration
4,4'-Methylenediphenyl diisocyanate	101-68-8	ACGIH TLV TWA 0.0050 ppm
4,4'-Methylenediphenyl diisocyanate	101-68-8	OSHA C 0.02 ppm, 0.2 mg/m <sup>3</sup>
4,4'-Methylenediphenyl diisocyanate	101-68-8	NIOSH REL TWA 0.0050 ppm, 0.05 mg/m <sup>3</sup>
4,4'-Methylenediphenyl diisocyanate	101-68-8	NIOSH REL C 0.2 ppm, 0.2 mg/m <sup>3</sup>
Wood/Wood Dust	N/A	OSHA PEL TWA 15 mg/m <sup>3</sup> (Total dust)
Wood/Wood Dust	N/A	OSHA PEL TWA 5 mg/m <sup>3</sup> (Respirable fraction)
Wood/Wood Dust	N/A	NIOSH REL TWA 1.0 mg/m <sup>3</sup>
Wood/Wood Dust	N/A	ACGIH TLV TWA 1.0 mg/m <sup>3</sup> (Inhalable)
Wood/Wood Dust	N/A	ACGIH TLV TWA 0.5 mg/m <sup>3</sup> (Western red cedar)

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.  
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

**Respiratory protection:**

For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. When necessary, use NIOSH-approved breathing equipment.



Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

**Eye protection:**

Safety goggles or glasses, or appropriate eye protection.

**Skin and body protection:**

Select glove material impermeable and resistant to the substance.  
Select glove material based on rates of diffusion and degradation.

**General hygienic measures:**

Wash hands before breaks and at the end of work.  
Avoid contact with skin, eyes and clothing.  
Perform routine housekeeping.  
Wash contaminated clothing before reusing.

**SECTION 9: Physical and chemical properties**

<b>Appearance (physical state, color):</b>	Solid.	<b>Explosion limit lower:</b>	Not determined or not available.
		<b>Explosion limit upper:</b>	Not determined or not available.
<b>Odor:</b>	None.	<b>Vapor pressure:</b>	Not determined or not available.
<b>Odor threshold:</b>	Not determined or not available.	<b>Vapor density:</b>	Not determined or not available.
<b>pH-value:</b>	Not determined or not available.	<b>Relative density:</b>	Not determined or not available.
<b>Melting/Freezing point:</b>	Not determined or not available.	<b>Solubilities:</b>	Not determined or not available.
<b>Boiling point/range:</b>	Not determined or not available.	<b>Partition coefficient (n-octanol/water):</b>	Not determined or not available.
<b>Flash point (closed cup):</b>	Not determined or not available.	<b>Auto/Self-ignition temperature:</b>	Not determined or not available.
<b>Evaporation rate:</b>	Not determined or not available.	<b>Decomposition temperature:</b>	Not determined or not available.
<b>Flammability (solid, gaseous):</b>	Not determined or not available.	<b>Dynamic viscosity:</b>	Not determined or not available.
<b>Density:</b>	Not determined or not available.	<b>Kinematic viscosity:</b>	Not determined or not available.

**SECTION 10: Stability and reactivity**

**Reactivity:**

Does not react under normal conditions of use and storage.

**Chemical stability:**

Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:**

None under normal conditions of use and storage.

**Conditions to avoid:**



According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

None known.

**Incompatible materials:**

None known.

**Hazardous decomposition products:**

None known.

**SECTION 11: Toxicological information**

**Exposure routes:**

No information available.

**Acute toxicity:**

**Oral:**

1-Butene, polymer with ethene: LD50 Rat: 4,000 mg/kg.

**Inhalation:**

Isocyanic acid, polymethylenepolyphenylene ester: LC50 - Rat - 490 mg/m<sup>3</sup>/4h.

4,4'-Methylenediphenyl diisocyanate: LC50 - Rat - 369 mg/cu m/4 h.

Methylenediphenyl diisocyanate: LC50 - Rat - 369 mg/cu m/4 h.

**Skin corrosion/irritation:**

Isocyanic acid, polymethylenepolyphenylene ester: Moderate skin irritation.

4,4'-Methylenediphenyl diisocyanate: Irritating to the skin.

Methylenediphenyl diisocyanate: Irritating to the skin.

**Serious eye damage/irritation:**

Isocyanic acid, polymethylenepolyphenylene ester: Irritating effect on the eyes.

4,4'-Methylenediphenyl diisocyanate: Moderate eye irritation.

Methylenediphenyl diisocyanate: Moderate eye irritation.

Wood/Wood Dust: Wood dust causes eye irritation.

**Respiratory or skin sensitization:**

Isocyanic acid, polymethylenepolyphenylene ester : May cause sensitization by respiratory contact.

4,4'-Methylenediphenyl diisocyanate : May cause sensitization by inhalation and skin contact.

Methylenediphenyl diisocyanate : May cause sensitization by inhalation and skin contact.

**Carcinogenicity:**

**Component may cause cancer.:**

**Methylenediphenyl diisocyanate may cause cancer.:**

: Wood dust is listed as carcinogenic by NTP, OSHA, and IARC.

**IARC (International Agency for Research on Cancer):**

Group 3 - Not classifiable as to its carcinogenicity to humans: Isocyanic acid, polymethylenepolyphenylene ester.

Group 1 - Carcinogenic to humans: Wood/Wood Dust.

**NTP (National Toxicology Program):**

Known to be human carcinogens: Wood/Wood Dust.



According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

**Germ cell mutagenicity:**

No information available.

**Reproductive toxicity:**

No information available.

**STOT-single and repeated exposure:**

Isocyanic acid, polymethylenepolyphenylene ester : Component affects the respiratory system through single and repeated exposure.

4,4'-Methylenediphenyl diisocyanate : Component affects the respiratory system through single and repeated exposure.

Methylenediphenyl diisocyanate : Component affects the respiratory system through single and repeated exposure.

Wood/Wood Dust : Component affects the respiratory system.

**Aspiration toxicity:**

No information available.

**Additional toxicological information**

No information available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

No information available.

**Persistence and degradability:**

No information available.

**Bioaccumulative potential:**

No information available.

**Mobility in soil:**

No information available.

**Other adverse effects:**

No information available.

**SECTION 13: Disposal considerations**

**Disposal methods:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11). Wood and wood dust is not considered hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261.

**SECTION 14: Transportation information**

**Land transport:**

**DOT (49 CFR) transport**



According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

<b>UN Number:</b>	Not regulated
<b>UN Proper shipping name:</b>	Not regulated
<b>UN Transport hazard classes:</b>	Not Regulated
<b>Packing group:</b>	Not regulated
<b>Danger label:</b>	None
<b>Environmental hazards:</b>	No
<b>Special precautions for user:</b>	None

**Air transport:**

**IATA-DGR**

<b>UN Number:</b>	Not regulated
<b>UN Proper shipping name:</b>	Not regulated
<b>UN Transport hazard classes:</b>	Not Regulated
<b>Packing group:</b>	Not regulated
<b>Danger label:</b>	None
<b>Environmental hazards:</b>	No
<b>Special precautions for user:</b>	None

**Sea transport:**

**IMDG**

<b>UN Number:</b>	Not regulated
<b>UN Proper shipping name:</b>	Not regulated
<b>UN Transport hazard classes:</b>	Not Regulated
<b>Packing group:</b>	Not regulated
<b>Danger label:</b>	None
<b>EMS code:</b>	None
<b>Environmental hazards:</b>	No
<b>Special precautions for user:</b>	None
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> Not applicable	

**SECTION 15: Regulatory information**

**North American**

**SARA Section 311/312 (Specific toxic chemical listings):**

Not classified.

**SARA Section 302 (Extremely hazardous substances):**

None of the ingredients are listed.





According to OSHA Hazard Communication Standard, 29 CFR 19110.1200

Effective date: 06.07.2016

**TRED-eXtreme®, TRED-eXtreme® ESD**

**SARA Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):**

One or more ingredients are not listed.

**TSCA Rules and Orders:**

Not applicable.

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**

101-68-8 4,4'-Methylenediphenyl diisocyanate: 5000.

**Proposition 65 (California):**

**Chemicals known to cause cancer:**

N/A Wood/Wood Dust.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** Title 22 California Code of Regulations requires that a clear and reasonable warning be given before exposure to chemicals listed by the State of California as causing cancer or reproductive toxicity. Wood dust and Formaldehyde is on California's list of chemicals known to the State to cause cancer and methanol is on California's list known to the State to cause birth defects or other reproductive harm.

**Prop 65 WARNING:**

***Drilling, sawing, sanding or machining wood products generates wood dust and other substances known to the State of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask or other safeguards for personal protection. Wood products emit chemicals known to the State of California to cause birth defects or other reproductive harm.***

**Canada**

**DSL (Canadian Domestic Substances List):**

One or more ingredients are not listed.

**SECTION 16: Other information**

**Abbreviations and Acronyms:** None

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**NFPA:** 1-0-0

**HMIS:** 1-0-0