

Safety Data Sheet



according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 18, 2019

1 Identification

- **Product identifier**
- **Trade name:** DynaTred Part A Activator
- **Other means of identification:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Non-Sag Traffic Grade Polyurethane Sealant
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Pecora Corporation
165 Wambold Road
Harleysville, PA 19438
215-723-6051
- **Emergency telephone number:**
CHEMTREC
1-800-424-9300 (US/Canada)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Liq. 3 H226 Flammable liquid and vapor.
Carc. 2 H351 Suspected of causing cancer.
STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.
Route of exposure: Oral, Inhalation.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**
 
GHS02 GHS08
- **Signal word:** Warning
- **Hazard statements:**
H226 Flammable liquid and vapor.
H351 Suspected of causing cancer.
H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.
- **Precautionary statements:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.

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- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P280 Wear protective gloves/protective clothing/eye protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

| | | |
|-----------|--|------|
| 1330-20-7 | Xylene ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 | <10% |
| 100-41-4 | Ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332 Eye Irrit. 2B, H320 | <3% |

· **Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air.
If experiencing respiratory symptoms: Call a poison center/doctor.
Provide oxygen treatment if affected person has difficulty breathing.

· **After skin contact:**

Wash with soap and water.
If skin irritation or rash occurs: Get medical advice/attention.

· **After eye contact:**

Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.

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- **Most important symptoms and effects, both acute and delayed:**
Gastric or intestinal disorders when ingested.
Nausea in case of ingestion.
Breathing difficulty
- **Danger:**
May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure:
Oral, Inhalation.
Suspected of causing cancer.
- **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Carbon dioxide
Fire-extinguishing powder
Foam
Gaseous extinguishing agents
Water fog / haze
- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **Special hazards arising from the substance or mixture**
Flammable liquid and vapor.
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:** Cool endangered containers with water fog.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
Remove ignition sources.
- **Environmental precautions** Avoid release to the environment.
- **Methods and material for containment and cleaning up**
Towel or mop up material and collect in a suitable container.
For large spills, absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
 - Open and handle receptacle with care.
 - Keep out of reach of children.
 - Avoid contact with the eyes and skin.
 - Avoid breathing mist, vapors, or spray.
 - Keep away from open flame or other ignition sources.
 - Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from oxidizing agents.
- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**

1330-20-7 Xylene

| | |
|---------------|--|
| PEL (USA) | Long-term value: 435 mg/m ³ , 100 ppm |
| REL (USA) | Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm |
| TLV (USA) | Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI |
| EL (Canada) | Short-term value: 150 ppm Long-term value: 100 ppm |
| EV (Canada) | Short-term value: 650 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm |
| LMPE (Mexico) | Short-term value: 150 ppm Long-term value: 100 ppm A4, IBE |

100-41-4 Ethylbenzene

| | |
|-------------|---|
| PEL (USA) | Long-term value: 435 mg/m ³ , 100 ppm |
| REL (USA) | Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm |
| TLV (USA) | Long-term value: 87 mg/m ³ , 20 ppm BEI |
| EL (Canada) | Long-term value: 20 ppm IARC 2B |

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| | |
|---------------|---|
| EV (Canada) | Short-term value: 540 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm |
| LMPE (Mexico) | Long-term value: 20 ppm |

14808-60-7 Quartz

| | |
|---------------|--|
| PEL (USA) | Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2 |
| REL (USA) | Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A |
| TLV (USA) | Long-term value: 0.025* mg/m ³ *as respirable fraction |
| EL (Canada) | Long-term value: 0.025 mg/m ³ ACGIH A2; IARC 1 |
| EV (Canada) | Long-term value: 0.10* mg/m ³ *respirable fraction |
| LMPE (Mexico) | Long-term value: 0.025* mg/m ³ A2, *fracción respirable |

14464-46-1 Cristobalite

| | |
|---------------|---|
| PEL (USA) | Long-term value: 0.05* mg/m ³ *resp. dust; ½ value from resp.dust formulae Quartz |
| REL (USA) | Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A |
| TLV (USA) | Long-term value: 0.025* mg/m ³ *as respirable fraction |
| EL (Canada) | Long-term value: 0.025 mg/m ³ respirable, ACGIH A2; IARC 1 |
| EV (Canada) | Long-term value: 0.05* mg/m ³ *respirable fraction |
| LMPE (Mexico) | Long-term value: 0.025* mg/m ³ A2, *fracción respirable |

128-37-0 2,6-di-tert-butyl-p-cresol

| | |
|---------------|---|
| REL (USA) | Long-term value: 10 mg/m ³ |
| TLV (USA) | Long-term value: 2* mg/m ³ *as inhalable fraction and vapor |
| EL (Canada) | Long-term value: 2 mg/m ³ vapour and inhalable aerosol |
| EV (Canada) | Long-term value: 2 mg/m ³ inhalable, vapour and aerosol |
| LMPE (Mexico) | Long-term value: 2 mg/m ³ A4, IFV |

Ingredients with biological limit values:

1330-20-7 Xylene

| | |
|-----------|--|
| BEI (USA) | 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids |
|-----------|--|

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100-41-4 Ethylbenzene

| | |
|-----------|---|
| BEI (USA) | 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) |
| - | Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) |

- **Exposure controls**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Avoid breathing mist, vapors, or spray.
Keep ignition sources away - Do not smoke.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation.
Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
- **Protection of hands:**
 Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Eye protection:**
 Safety glasses
- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
No relevant information available.
- **Risk management measures** No relevant information available.

9 Physical and chemical properties

Information on basic physical and chemical properties

- **Appearance:**
 - **Form:** Liquid
 - **Color:** Clear to straw color.
- **Odor:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.

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| | |
|---|---|
| · Melting point/Melting range: | Not determined. |
| · Boiling point/Boiling range: | >35 °C (>95 °F) |
| · Flash point: | 28.9 °C (84 °F) |
| · Flammability (solid, gaseous): | Not applicable. |
| · Auto-ignition temperature: | Not determined. |
| · Decomposition temperature: | Not determined. |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Explosion limits | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| · Oxidizing properties: | Non-oxidizing. |
| · Vapor pressure: | Not determined. |
| · Density: | |
| Relative density: | 0.95 |
| Vapor density: | Not determined. |
| Evaporation rate: | Not determined. |
| · Solubility in / Miscibility with | |
| Water: | Partly miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · VOC content: | 99 g/L |
| · Other information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Flammable liquid and vapor.
Used empty containers may contain product gases which form explosive mixtures with air.
Reacts with strong acids and alkali.
Reacts with oxidizing agents.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**
Hydrocarbons
Carbon monoxide and carbon dioxide
Isocyanate

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11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

1330-20-7 Xylene

| | | |
|------|------|------------------|
| Oral | LD50 | 4300 mg/kg (rat) |
|------|------|------------------|

| | | |
|--------|------|---------------------|
| Dermal | LD50 | 2000 mg/kg (rabbit) |
|--------|------|---------------------|

100-41-4 Ethylbenzene

| | | |
|------|------|------------------|
| Oral | LD50 | 3500 mg/kg (rat) |
|------|------|------------------|

| | | |
|--------|------|----------------------|
| Dermal | LD50 | 17800 mg/kg (rabbit) |
|--------|------|----------------------|

· **Primary irritant effect:**

· **On the skin:** Based on available data, the classification criteria are not met.

· **On the eye:** Based on available data, the classification criteria are not met.

· **Sensitization:** Based on available data, the classification criteria are not met.

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

| | | |
|----------|--------------|----|
| 100-41-4 | Ethylbenzene | 2B |
|----------|--------------|----|

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Suspected of causing cancer.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:**

May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity**

The product contains materials that are harmful to the environment.

1330-20-7 Xylene

| | |
|------|---------------------------------|
| LC50 | 13.4 mg/l (pimephales promelas) |
|------|---------------------------------|

100-41-4 Ethylbenzene

| | |
|------|----------------------|
| EC50 | 1-10 mg/kg (daphnia) |
|------|----------------------|

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| | |
|------|---------------------------------------|
| LC50 | 1-10 mg/l (Green Algae (chlorophyta)) |
| | 4.2 mg/l (Oncorhynchus mykiss) |

- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR/RID/ADN, IMDG, IATA** UN1133
- **UN proper shipping name**
- **DOT, IATA** Adhesives
- **ADR/RID/ADN, IMDG** ADHESIVES
- **Transport hazard class(es)**
- **DOT**
- 
- **Class** 3
- **Label** 3
-
- **ADR/RID/ADN**
- 
- **Class** 3 (F1)
- **Label** 3

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· **IMDG, IATA**



· **Class** 3
 · **Label** 3

· **Packing group**
 · **DOT, ADR/RID/ADN, IMDG, IATA** III

· **Environmental hazards**
 · **Marine pollutant:** No

· **Special precautions for user** Warning: Flammable liquids
 · **Danger code (Kemler):** 30
 · **EMS Number:** F-E, S-E

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **DOT**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

· **ADR/RID/ADN**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

· **IMDG**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

· **IATA**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each / 10 L net.

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
 · **United States (USA)**

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· **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

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

| | |
|-----------|--------|
| 1330-20-7 | Xylene |
|-----------|--------|

| | |
|----------|--------------|
| 100-41-4 | Ethylbenzene |
|----------|--------------|

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

All ingredients are listed, or are exempt from listing.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

| | |
|----------|--------------|
| 100-41-4 | Ethylbenzene |
|----------|--------------|

· **Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **EPA (Environmental Protection Agency):**

| | | |
|-----------|--------|---|
| 1330-20-7 | Xylene | I |
|-----------|--------|---|

| | | |
|----------|--------------|---|
| 100-41-4 | Ethylbenzene | D |
|----------|--------------|---|

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

| | | |
|----------|--------------|----|
| 100-41-4 | Ethylbenzene | 2B |
|----------|--------------|----|

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

All ingredients are listed or exempt.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

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Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

• **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor-internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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