| AFETY DATA SHEET                                  |                          | C ELANTAS  |
|---|--------------------------|--|
| ONATHANE® EN-15                                   | 56 Part A Urethan        | e Prepolymer   |
| /ersion 4   | Revision Date 04/2       | 29/2021 Print Date 05/05/2021  |
| ECTION 1. IDENTIFICATION                          |                          |  |
| Product name                                      | : CONATHANE® EN          | I-1556 Part A Urethane Prepolymer  |
| Manufacturer or supplier's                        | s details                |  |
| Company   | : ELANTAS PDG, IN        | nc. Chemica  |
|   | 5200 North 2nd Stre      |  |
|   | St. Louis MO 63147       |  |
| Telephone   | : (314) 621-5700         |  |
| Visit our web site                                | : www.elantas.com        | Our expertise is your solutio  |
| E-mail address                                    | : Todd.Thomas@alta       | ana.com  |
| Emergency telephone                               | : INFOTRAC - 1-800       |  |
|   |                          | 800.220.1966   |
| Recommended use of the                            | chemical and restriction | 410 Pike Road • Huntingdon Valley, PA 1900   |
| Recommended use                                   | : Casting Resin          |  |
| Restrictions on use                               | consumer use or re       | ndustrial use only. It is not intended for<br>etail sale.<br>5 for any restrictions that may apply |
| GHS Classification<br>Acute toxicity (Inhalation) | : Category 3             |  |
| Respiratory sensitisation                         | : Category 1             |  |
| Skin sensitisation                                | : Category 1             |  |
| Carcinogenicity                                   | : Category 2             |  |
| GHS label elements                                |                          |  |
| Hazard pictograms                                 |                          |  |
| Signal word                                       | : Danger                 |  |
| Hazard statements                                 | H331 Toxic if inhale     | llergy or asthma symptoms or breathing   |
| Precautionary statements                          | Prevention:              | al instructions before use.  |
|   |                          |  |



| <ul> <li>P202 Do not handle until all safety<br/>and understood.</li> <li>P261 Avoid breathing dust/ fume/<br/>P271 Use only outdoors or in a we<br/>P272 Contaminated work clothing<br/>the workplace.</li> <li>P280 Wear protective gloves/ pro-<br/>face protection.</li> <li>P285 In case of inadequate ventil<br/>protection.</li> <li>P285 In case of inadequate ventil<br/>protection.</li> <li>P302 + P352 IF ON SKIN: Wash<br/>P304 + P340 + P311 IF INHALED<br/>and keep comfortable for breathin<br/>doctor.</li> <li>P308 + P313 IF exposed or conce<br/>attention.</li> <li>P363 Wash contaminated clothing<br/>Storage:</li> <li>P403 + P233 Store in a well-venti<br/>tightly closed.</li> <li>P405 Store locked up.</li> <li>Disposal:</li> <li>P501 Dispose of contents/ contain</li> </ul> | 'gas/ mist/ vapours/ spray.<br>ell-ventilated area.<br>g should not be allowed out of<br>tective clothing/ eye protection<br>ation wear respiratory<br>with plenty of soap and water.<br>D: Remove person to fresh air<br>ng. Call a POISON CENTER/<br>erned: Get medical advice/<br>ash occurs: Get medical advice<br>g before reuse.<br>lated place. Keep container |
|--|---|
| disposal plant.  | ner to an approved waste  |
| Isocyanate Prepolymer  |   |
|  |   |
| CAS-No.  | Concentration (%)   |
| 584-84-9   | >= 1 - < 2  |
|  | ATION ON INGREDIENTS Isocyanate Prepolymer CAS-No.  |



| If inhaled       : Call a physician or poison control centre immediately.<br>If unconscious, place in recovery position and seek medica<br>advice.         In case of skin contact       : If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.         In case of eye contact       : Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.         If swallowed       : Induce vomiting immediately and call a physician.<br>Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital.         ECTION 5. FIREFIGHTING MEASURES         Unsuitable extinguishing<br>irrefighting       : High volume water jet         Specific hazards during<br>irrefighting       : Do not allow run-off from fire fighting to enter drains or wate<br>courses.         Further information       : Collect contaminated fire extinguishing water separately. Ti<br>must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water mu<br>be disposed of in accordance with local regulations.         Special protective equipment<br>for firefighters       : Wear self-contained breathing apparatus for firefighting if<br>necessary.  |                             |     | art A orethane r repory   |   |
|---|-----------------------------|-----|---|---|
| If unconscious, place in recovery position and seek medica advice.         In case of skin contact       : If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.         In case of eye contact       : Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unhammed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.         If swallowed       : Induce vomiting immediately and call a physician.<br>Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital.         ECTION 5. FIREFIGHTING MEASURES       Unsuitable extinguishing<br>if efighting       : High volume water jet         Unsuitable extinguishing<br>firefighting       : Do not allow run-off from fire fighting to enter drains or wate<br>courses.         Further information       : Collect contaminated fire extinguishing water separately. Ti<br>must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water mu<br>be disposed of in accordance with local regulations.         Special protective equipment<br>for firefighters       : Wear self-contained breathing apparatus for firefighting if<br>necessary.         ECTION 6. ACCIDENTAL RELEASE MEASURES       Personal precautions,<br>Frevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inforr<br>respective authorities.         Personal precautions,<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inforr<br>respe | ersion 4                    |     | Revision Date 04/29/2021  | Print Date 05/05/202                    |
| If on skin, rinse well with water.         If on clothes, remove clothes.         In case of eye contact       Immediately flush eye(s) with plenty of water.         Remove contact lenses.         Protect unharmed eye.         Keep eye wide open while rinsing.         If eye irritation persists, consult a specialist.         If swallowed       Induce vomiting immediately and call a physician.         Keep respiratory tract clear.       Do not give milk or alcoholic beverages.         Never give anything by mouth to an unconscious person.       If symptoms persist, call a physician.         Take victim immediately to hospital.       Section 5. FIREFIGHTING MEASURES         Unsuitable extinguishing       If high volume water jet         wedia       Do not allow run-off from fire fighting to enter drains or wate         for firefighting       Do not allow run-off from fire symptomis expanately. The must not be discharged into drains.         Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.         Special protective equipment for firefighters       Wear self-contained breathing apparatus for firefighting if necessary.         Section 6. ACCIDENTAL RELEASE MEASURES       Personal precautions, protective equipment and encessary.         Environmental precautions       If sep ersonal protective equipment and erresponel to safe areas.         Environmental precautions  | If inhaled                  | :   | If unconscious, place in recovery p   |   |
| Remove contact lenses.       Protect unharmed eye.         Keep eye wide open while rinsing.       If eye irritation persists, consult a specialist.         If swallowed       Induce vomiting immediately and call a physician.         Keep respiratory tract clear.       Do not give milk or alcoholic beverages.         Never give anything by mouth to an unconscious person.       If symptoms persist, call a physician.         Take victim immediately to hospital.       Take victim immediately to hospital.         SECTION 5. FIREFIGHTING MEASURES       Unsuitable extinguishing media         Specific hazards during firefighting       Do not allow run-off from fire fighting to enter drains or wate courses.         Further information       Collect contaminated fire extinguishing water separately. To must not be discharged into drains. Fire residues and contaminated fire extinguishing water mube disposed of in accordance with local regulations.         Special protective equipment for firefighters       Wear self-contained breathing apparatus for firefighting if necessary.         SECTION 6. ACCIDENTAL RELEASE MEASURES       Evacuate personnel to safe areas.         Environmental precautions, protective equipment and emergency procedures       Prevent product from entering drains. Prevent product for entering drains. Prevent product for entering drains. Prevent product contaminates rivers and lakes or drains inforr respective authorities.         Methods and materials for       Soak up with inert absorbent material (e.g. sand, silica gel, <td>In case of skin contact</td> <td>:</td> <td>If on skin, rinse well with water.</td> <td>sician.</td>   | In case of skin contact     | :   | If on skin, rinse well with water.  | sician.                                 |
| Keep respiratory tract clear.       Do not give milk or alcoholic beverages.         Never give anything by mouth to an unconscious person.       If symptoms persist, call a physician.         Take victim immediately to hospital.       Take victim immediately to hospital.         SECTION 5. FIREFIGHTING MEASURES       Unsuitable extinguishing       :         Unsuitable extinguishing       :       High volume water jet         media       Specific hazards during       :       Do not allow run-off from fire fighting to enter drains or wate         firefighting       :       Do not allow run-off from fire fighting to enter drains or wate         Further information       :       Collect contaminated fire extinguishing water separately. Ti must not be discharged into drains.         Fire residues and contaminated fire extinguishing water mube disposed of in accordance with local regulations.       Special protective equipment         for firefighters       :       Wear self-contained breathing apparatus for firefighting if necessary.         SECTION 6. ACCIDENTAL RELEASE MEASURES       Personal precautions, Ensure adequate ventilation.         Environmental precautions       :       Use personal protective equipment.         Environmental precautions       :       Prevent product from entering drains.         Prevent further leakage or spillage if safe to do so.       If the product contaminates rivers and lakes or drains inforr respective authoritit  | In case of eye contact      | :   | Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.  |   |
| Unsuitable extinguishing<br>media: High volume water jetSpecific hazards during<br>firefighting: Do not allow run-off from fire fighting to enter drains or wate<br>courses.Further information: Collect contaminated fire extinguishing water separately. TI<br>must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water mu<br>be disposed of in accordance with local regulations.Special protective equipment<br>for firefighters: Wear self-contained breathing apparatus for firefighting if<br>necessary.SECTION 6. ACCIDENTAL RELEASE MEASURES: Use personal protective equipment and<br>emergency procedures: Use personal protective equipment.<br>Evacuate personnel to safe areas.Environmental precautions<br>if the product contaminates rivers and lakes or drains inform<br>respective authorities.: Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform<br>respective authorities.Methods and materials for: Soak up with inert absorbent material (e.g. sand, silica gel,  | If swallowed                | :   | Keep respiratory tract clear.<br>Do not give milk or alcoholic bever<br>Never give anything by mouth to a<br>If symptoms persist, call a physicia | rages.<br>In unconscious person.<br>an. |
| media       Specific hazards during firefighting       : Do not allow run-off from fire fighting to enter drains or water courses.         Further information       : Collect contaminated fire extinguishing water separately. The must not be discharged into drains. Fire residues and contaminated fire extinguishing water mube disposed of in accordance with local regulations.         Special protective equipment for firefighters       : Wear self-contained breathing apparatus for firefighting if necessary.         SECTION 6. ACCIDENTAL RELEASE MEASURES       : Use personal protective equipment and emergency procedures       : Use personal protective equipment. Ensure adequate ventilation.         Environmental precautions       : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inforr respective authorities.         Methods and materials for       : Soak up with inert absorbent material (e.g. sand, silica gel,  | ECTION 5. FIREFIGHTING MEAS | SUI | RES   |   |
| firefighting       courses.         Further information       : Collect contaminated fire extinguishing water separately. The must not be discharged into drains. Fire residues and contaminated fire extinguishing water mube disposed of in accordance with local regulations.         Special protective equipment for firefighters       : Wear self-contained breathing apparatus for firefighting if necessary.         SECTION 6. ACCIDENTAL RELEASE MEASURES       : Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.         Environmental precautions       : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inforr respective authorities.         Methods and materials for       : Soak up with inert absorbent material (e.g. sand, silica gel,  |                             | :   | High volume water jet   |   |
| must not be discharged into drains.         Fire residues and contaminated fire extinguishing water mube disposed of in accordance with local regulations.         Special protective equipment for firefighters       : Wear self-contained breathing apparatus for firefighting if necessary.         SECTION 6. ACCIDENTAL RELEASE MEASURES         Personal precautions, protective equipment and emergency procedures       : Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.         Environmental precautions       : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inforr respective authorities.         Methods and materials for       : Soak up with inert absorbent material (e.g. sand, silica gel,  |                             | :   | -   | ng to enter drains or water             |
| for firefighters       necessary.         ECTION 6. ACCIDENTAL RELEASE MEASURES         Personal precautions, protective equipment and emergency procedures       : Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.         Environmental precautions       : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inforr respective authorities.         Methods and materials for       : Soak up with inert absorbent material (e.g. sand, silica gel,   | Further information         | :   | must not be discharged into drains<br>Fire residues and contaminated fir  | e extinguishing water must              |
| <ul> <li>Personal precautions,<br/>protective equipment and<br/>emergency procedures</li> <li>Environmental precautions</li> <li>Prevent product from entering drains.<br/>Prevent further leakage or spillage if safe to do so.<br/>If the product contaminates rivers and lakes or drains inforr<br/>respective authorities.</li> <li>Methods and materials for</li> <li>Soak up with inert absorbent material (e.g. sand, silica gel,</li> </ul>   |                             | :   |   | paratus for firefighting if             |
| protective equipment and<br>emergency proceduresEnsure adequate ventilation.<br>Evacuate personnel to safe areas.Environmental precautions: Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inforr<br>respective authorities.Methods and materials for: Soak up with inert absorbent material (e.g. sand, silica gel,  | ECTION 6. ACCIDENTAL RELEA  | ASE | EMEASURES   |   |
| Prevent further leakage or spillage if safe to do so.If the product contaminates rivers and lakes or drains inforr<br>respective authorities.Methods and materials for: Soak up with inert absorbent material (e.g. sand, silica gel,   | protective equipment and    | :   | Ensure adequate ventilation.  |   |
|   | Environmental precautions   | :   | Prevent further leakage or spillage<br>If the product contaminates rivers   | e if safe to do so.                     |
|   |                             | :   |   |   |
| 3/11  |                             |     | 3/11  |   |

| SAFETY DATA SHEET                             |   | C ELANTAS   |  |  |
|---|---|---|--|--|
| CONATHANE® EN-1556 Part A Urethane Prepolymer |   |   |  |  |
| Version 4                                     | Revision Date 04/29/2021  | Print Date 05/05/202  |  |  |
|   | Keep in suitable, closed containers   | for disposal.   |  |  |
| SECTION 7. HANDLING AND ST                    | ORAGE   |   |  |  |
| Advice on safe handling                       | <ul> <li>Avoid formation of aerosol.<br/>Do not breathe vapours/dust.<br/>Avoid exposure - obtain special inst<br/>Avoid contact with skin and eyes.<br/>For personal protection see section<br/>Smoking, eating and drinking shoul<br/>application area.<br/>Provide sufficient air exchange and<br/>Dispose of rinse water in accordance<br/>regulations.<br/>Persons susceptible to skin sensitis<br/>allergies, chronic or recurrent respin<br/>be employed in any process in whic<br/>used.</li> </ul> | 8.<br>d be prohibited in the<br>/or exhaust in work rooms.<br>ce with local and national<br>sation problems or asthma,<br>ratory disease should not |  |  |
| Conditions for safe storage                   | <ul> <li>Store under conditions specified on<br/>Data Sheet to maintain product qua<br/>Prevent unauthorized access.</li> <li>Keep container tightly closed in a du<br/>place.</li> <li>Containers which are opened must<br/>kept upright to prevent leakage.</li> <li>Observe label precautions.</li> <li>Electrical installations / working mat<br/>the technological safety standards.</li> </ul>  | ality.<br>ry and well-ventilated<br>be carefully resealed and   |  |  |

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components           | CAS-No.         | Value type<br>(Form of<br>exposure) | Control<br>parameters /<br>Permissible<br>concentration | Basis    |
|----------------------|-----------------|-------------------------------------|---|----------|
| Toluene diisocyanate | 584-84-9        | TWA                                 | 0.005 ppm   | ACGIH    |
| Toluene diisocyanate |                 | STEL                                | 0.02 ppm  | ACGIH    |
| Toluene diisocyanate |                 | С                                   | 0.02 ppm<br>0.14 mg/m3                                  | OSHA Z-1 |
| Toluene diisocyanate |                 | TWA                                 | 0.005 ppm<br>0.04 mg/m3                                 | OSHA P0  |
| Toluene diisocyanate |                 | STEL                                | 0.02 ppm<br>0.15 mg/m3                                  | OSHA P0  |
| Engineering measures | All application |                                     | e ventilated in acc<br>(e.g. 29 CFR 191                 |          |





| rsion 4   | Revision Date 04/29/2021  | Print Date 05/05/2           |
|---|---|------------------------------|
|   | Isocyanates may be released du<br>Repeated overexposure to isocy<br>tract sensitization.  |                              |
| Personal protective equipme   | ent   |                              |
| Respiratory protection  | : In the case of vapour formation u approved filter.  | use a respirator with an     |
| Hand protection<br>Remarks  | : The suitability for a specific work with the producers of the protect   |                              |
| Eye protection  | : Eye wash bottle with pure water<br>Tightly fitting safety goggles<br>Wear face-shield and protective<br>problems.   | suit for abnormal processing |
| Skin and body protection  | : Impervious clothing<br>Choose body protection accordir<br>concentration of the dangerous s  |                              |
| Hygiene measures  | <ul> <li>Avoid contact with skin, eyes and<br/>When using do not eat or drink.</li> <li>When using do not smoke.</li> <li>Wash hands before breaks and i</li> </ul>   | -                            |
|   | the product.  | mineulately arter nanulling  |
| TION 9. PHYSICAL AND CHE  | the product.  |                              |
| TION 9. PHYSICAL AND CHE  | the product.  |                              |
|   | the product.  |                              |
| Appearance  | the product.  |                              |
| Appearance<br>Odour Threshold   | the product.<br><b>MICAL PROPERTIES</b><br>: liquid<br>: No data available  |                              |
| Appearance<br>Odour Threshold<br>pH   | the product.<br><b>MICAL PROPERTIES</b><br>: liquid<br>: No data available<br>: No data available   |                              |
| Appearance<br>Odour Threshold<br>pH<br>Melting point/freezing point<br>Initial boiling point and boiling  | the product.<br><b>MICAL PROPERTIES</b><br>: liquid<br>: No data available<br>: No data available<br>: No data available  |                              |
| Appearance<br>Odour Threshold<br>pH<br>Melting point/freezing point<br>Initial boiling point and boiling<br>range<br>Vapour pressure<br>Flash point | the product.<br><b>MICAL PROPERTIES</b><br>: liquid<br>: No data available<br>: No data available | ę.                           |
| Appearance<br>Odour Threshold<br>pH<br>Melting point/freezing point<br>Initial boiling point and boiling<br>range<br>Vapour pressure                | the product.<br><b>MICAL PROPERTIES</b><br>: liquid<br>: No data available<br>: No data available                        | ę.                           |



# CONATHANE® EN-1556 Part A Urethane Prepolymer

| JUNAIHANE® EN-1550                         | P  | art A Urethane Prepolymer                 |                       |
|--|----|---|-----------------------|
| Version 4                                  |    | Revision Date 04/29/2021                  | Print Date 05/05/2021 |
| Evaporation rate                           | :  | No data available                         |                       |
| Flammability (solid, gas)                  | :  | No data available                         |                       |
| Relative vapour density                    | :  | No data available                         |                       |
| Relative Density/Specific<br>Gravity       | :  | No data available                         |                       |
| Density                                    | :  | 1.0497 g/cm3 (77 °F (25 °C))              |                       |
| Solubility(ies)<br>Water solubility        | :  | No data available                         |                       |
| Solubility in other solvents               | :  | No data available                         |                       |
| Partition coefficient: n-<br>octanol/water | :  | No data available                         |                       |
| Ignition temperature                       | :  | No data available                         |                       |
| Thermal decomposition                      | :  | No data available                         |                       |
| Viscosity<br>Viscosity, dynamic            | :  | No data available                         |                       |
| Viscosity, kinematic                       | :  | > 21 mm2/s (104 °F (40 °C))               |                       |
| ECTION 10. STABILITY AND RE                | AC | ΓΙVΙΤΥ                                    |                       |
| Reactivity                                 | :  | No decomposition if stored and applied as | s directed.           |
| Chemical stability                         | :  | No decomposition if stored and applied as | s directed.           |
| Possibility of hazardous reactions         | :  | No decomposition if stored and applied as | s directed.           |
|  |    |   |                       |

| Conditions to avoid              | : No data available   |
|----------------------------------|---|
| Hazardous decomposition products | : Carbon monoxide in a fire.<br>Nitrogen oxides in a fire.<br>Isocyanates |

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure



| sion 4   | Revision Date 04/29/2021  | Print Date 05/05/2                                     |
|--|---|--|
| Acute toxicity   |   |  |
| Product:   |   |  |
| Acute inhalation toxicity  | <ul> <li>Acute toxicity estimate : 2.98 mg/l</li> <li>Exposure time: 4 h</li> <li>Test atmosphere: vapour</li> <li>Method: Calculation method</li> </ul>                              |  |
|  | Method. Calculation method  |  |
| Components:  |   |  |
| 584-84-9 Toluene diis  |   |  |
| Acute oral toxicity  | : LD50 (Rat): 5,800 mg/kg   |  |
|  | LD50 (Rat, male): 5,110 mg/kg<br>Method: OECD Test Guideline 401  |  |
| Acute dermal toxicity  | : LD50 (Rabbit): > 9,400 mg/kg  |  |
|  | LD50 (Rabbit, male and female): > 9,4<br>Method: OECD Test Guideline 402  | 00 mg/kg   |
| Skin corrosion/irritatio   | on  |  |
| Product:   |   |  |
|  |   |  |
| Remarks: May cause s   | kin irritation and/or dermatitis.   |  |
| Remarks: May cause s   | kin irritation and/or dermatitis.   |  |
| Serious eye damage/e   |   |  |
| Serious eye damage/e<br>Product:   | eye irritation  |  |
| Serious eye damage/e<br>Product:   |   |  |
| <b>Serious eye damage/e<br/><u>Product:</u><br/>Remarks: May cause ir</b>  | eye irritation<br>reversible eye damage.  |  |
| Serious eye damage/e<br><u>Product:</u><br>Remarks: May cause ir<br>Respiratory or skin se   | eye irritation<br>reversible eye damage.  |  |
| Serious eye damage/e<br><u>Product:</u><br>Remarks: May cause ir<br>Respiratory or skin se<br><u>Product:</u>  | eye irritation<br>reversible eye damage.  |  |
| Serious eye damage/e<br><u>Product:</u>  | eye irritation<br>reversible eye damage.  |  |
| Serious eye damage/e<br><u>Product:</u><br>Remarks: May cause ir<br>Respiratory or skin se<br><u>Product:</u><br>Remarks: Causes sens                            | eye irritation<br>reversible eye damage.  |  |
| Serious eye damage/e<br><u>Product:</u><br>Remarks: May cause ir<br>Respiratory or skin se<br><u>Product:</u><br>Remarks: Causes sens<br>Carcinogenicity         | eye irritation<br>reversible eye damage.  | INS  |
| Serious eye damage/e<br><u>Product:</u><br>Remarks: May cause ir<br>Respiratory or skin se<br><u>Product:</u><br>Remarks: Causes sens<br>Carcinogenicity         | eye irritation<br>reversible eye damage.<br>ensitisation  |  |
| Serious eye damage/e<br><u>Product:</u><br>Remarks: May cause ir<br>Respiratory or skin se<br><u>Product:</u><br>Remarks: Causes sens<br>Carcinogenicity         | eye irritation<br>reversible eye damage.<br>ensitisation<br>sitisation.<br>Group 2B: Possibly carcinogenic to huma  | 584-84-9   |
| Serious eye damage/e<br>Product:<br>Remarks: May cause ir<br>Respiratory or skin se<br><u>Product:</u><br>Remarks: Causes sens<br>Carcinogenicity<br>IARC        | eye irritation<br>reversible eye damage.<br>ensitisation<br>sitisation.<br>Group 2B: Possibly carcinogenic to huma<br>Toluene diisocyanate  | 584-84-9<br>levels greater than or                     |
| Serious eye damage/e<br><u>Product:</u><br>Remarks: May cause ir<br>Respiratory or skin se<br><u>Product:</u><br>Remarks: Causes sens<br>Carcinogenicity<br>IARC | eye irritation<br>reversible eye damage.<br>ensitisation<br>sitisation.<br>Group 2B: Possibly carcinogenic to huma<br>Toluene diisocyanate<br>No component of this product present at | 584-84-9<br>levels greater than or<br>ted carcinogens. |

| SAFETY DATA SHEET                  |  | <b>C</b> ELANTAS                      |
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| CONATHANE® EN-1556                 | Part A Urethane Prepoly  | rmer                                  |
| Version 4                          | Revision Date 04/29/2021   | Print Date 05/05/2021                 |
| Further information                |  |                                       |
| Product:                           |  |                                       |
| Remarks: No data available         |  |                                       |
| SECTION 12. ECOLOGICAL INFOR       | MATION   |                                       |
| Ecotoxicity                        |  | nemical™                              |
| No data available                  |  |                                       |
| Persistence and degradability      |  | oncepts                               |
| No data available                  | Our ex   | xpertise is your solution.            |
| Bioaccumulative potential          | chemical-c   | oncepts.com                           |
| No data available                  |  | · · · · · · · · · · · · · · · · · · · |
| Mobility in soil                   |  | 20.1966                               |
| No data available                  | 410 Pike Road • Hunt   | ingdon Valley, PA 19006               |
| Other adverse effects              |  |                                       |
| Product:                           |  |                                       |
| Results of PBT and vPvB assessment | <ul> <li>This substance/mixture contains n<br/>to be either persistent, bioaccumu<br/>very persistent and very bioaccum<br/>0.1% or higher.</li> </ul> | llative and toxic (PBT), or           |
| Regulation                         | 40 CFR Protection of Environmen<br>Stratospheric Ozone - CAA Sectio  | ,                                     |
| Remarks                            | This product neither contains, nor<br>Class I or Class II ODS as defined<br>Section 602 (40 CFR 82, Subpt. A   | d by the U.S. Clean Air Act           |
| Additional ecological information  | : No data available  |                                       |

#### SECTION 13. DISPOSAL CONSIDERATIONS

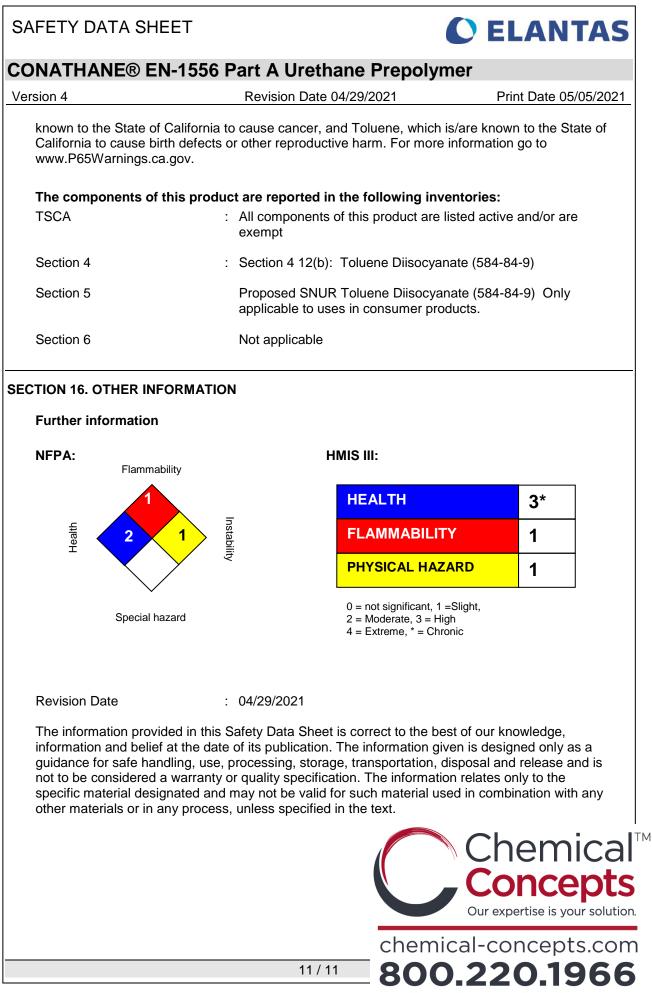
| Disposal methods               | : WC: B  |
|--------------------------------|--|
| EPA Hazardous Waste<br>Code(s) | : D003: Reactive   |
| Waste from residues            | <ul> <li>Do not dispose of waste into sewer.</li> <li>Do not contaminate ponds, waterways or ditches with<br/>chemical or used container.</li> <li>Send to a licensed waste management company.</li> </ul> |
| Contaminated packaging         | : Empty remaining contents.  |
|                                | 8/11   |

|  |   |  | ELANTA  |
|--|---|--|---|
| ONATHANE® EN-15  | 56 Part A Uretha  | ane Prepolyme  | er  |
| ersion 4   | Revision Date 0   | 4/29/2021  | Print Date 05/05/2  |
|  | Dispose of as un<br>Do not re-use em  |  |   |
| CTION 14. TRANSPORT INF  | ORMATION  |  |   |
| International Regulations  |   |  |   |
| IATA-DGR<br>Not regulated as a dangerou<br>IMDG-Code   | us good   |  |   |
| Not regulated as a dangerou  | us good   |  |   |
| Transport in bulk accordin<br>Not applicable for product a   | -   | POL 73/78 and the I  | BC Code   |
| National Regulations   |   |  |   |
| CTION 15. REGULATORY IN  | FORMATION   |  |   |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo   | ning and Community F<br>ous Substances (40 CF   | FR 302)  |   |
| EPCRA - Emergency Plan   | ning and Community F  | -  | Calculated product RQ<br>(lbs)  |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo   | ning and Community F<br>ous Substances (40 CF   | Component RQ   | •   |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo<br>Components   | ning and Community F<br>ous Substances (40 CF<br>CAS-No.<br>584-84-9  | Component RQ (lbs)   | (lbs)   |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo<br>Components<br>Toluene diisocyanate   | ning and Community F<br>ous Substances (40 CF<br>CAS-No.<br>584-84-9  | FR 302)<br>Component RQ<br>(lbs)<br>100<br>Component RQ  | (lbs)   |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo<br>Components<br>Toluene diisocyanate<br>SARA 304 - Emergency Re  | ning and Community F<br>ous Substances (40 CF<br>CAS-No.<br>584-84-9<br>elease Notification   | <b>FR 302)</b> Component RQ (lbs) 100  | (lbs)<br>5952<br>Calculated product RQ  |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo<br>Components<br>Toluene diisocyanate<br>SARA 304 - Emergency Ro<br>Components  | ning and Community F<br>ous Substances (40 CF<br>CAS-No.<br>584-84-9<br>elease Notification<br>CAS-No.<br>584-84-9<br>ning and Community F                          | FR 302)<br>Component RQ<br>(lbs)<br>100<br>Component RQ<br>(lbs)<br>100<br>Right-To-Know Act (                                       | (lbs)<br>5952<br>Calculated product RQ<br>(lbs)<br>5952<br>EPCRA) SARA Title III                                  |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo<br>Components<br>Toluene diisocyanate<br>SARA 304 - Emergency Ro<br>Components<br>Toluene diisocyanate<br>US. EPA Emergency Plan                              | ning and Community F<br>ous Substances (40 CF<br>CAS-No.<br>584-84-9<br>elease Notification<br>CAS-No.<br>584-84-9<br>ning and Community F                          | FR 302)<br>Component RQ<br>(lbs)<br>100<br>Component RQ<br>(lbs)<br>100<br>Right-To-Know Act (<br>D CFR 355, Appendi<br>Component RQ | (lbs)<br>5952<br>Calculated product RQ<br>(lbs)<br>5952<br>EPCRA) SARA Title III<br>x A)<br>Calculated product RQ |
| EPCRA - Emergency Plan<br>US. EPA CERCLA Hazardo<br>Components<br>Toluene diisocyanate<br>SARA 304 - Emergency Ro<br>Components<br>Toluene diisocyanate<br>US. EPA Emergency Plan<br>Section 302 Extremely Haz | ning and Community F<br>ous Substances (40 CF<br>CAS-No.<br>584-84-9<br>elease Notification<br>CAS-No.<br>584-84-9<br>ning and Community F<br>zardous Substance (40 | FR 302)<br>Component RQ<br>(lbs)<br>100<br>Component RQ<br>(lbs)<br>100<br>Right-To-Know Act (<br>0 CFR 355, Appendi                 | (lbs)<br>5952<br>Calculated product RQ<br>(lbs)<br>5952<br>EPCRA) SARA Title III<br>x A)                          |

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| sion 4  | Revision Date 04/29/20   | )21  | Print Date 05/05/20           |  |  |
|---|--|--|-------------------------------|--|--|
| SARA 302  |  | : The following components are subject to reporting levels established by SARA Title III, Section 302: |                               |  |  |
|   | Toluene diisocyanate   | 584-84-9   | 1.6 %                         |  |  |
| SARA 313  | : This product contains th<br>to the reporting requiren<br>Superfund Amendments<br>40 CFR part 372.  | nents of Section 3   | 313 of Title III of the       |  |  |
|   | Toluene diisocyanate   | 584-84-9   | 1.6 %                         |  |  |
| Clean Air Act   |  |  |                               |  |  |
| The following ch  | emical(s) are listed as HAP under the U.S.<br>Toluene diisocyanate   | Clean Air Act, S<br>584-84-9   | ection 112 (40 CFR 6<br>1.6 % |  |  |
|   | emical(s) are listed under the U.S. Clean A<br>tion (40 CFR 68.130, Subpart F):  |  |                               |  |  |
|   | Toluene diisocyanate   | 584-84-9   | 1.6 %                         |  |  |
| The following ch<br>Final VOC's (40                                   | emical(s) are listed under the U.S. Clean A  | Air Act Section 11   | 1 SOCMI Intermediate          |  |  |
|   |  |  |                               |  |  |
|   | Toluene diisocyanate   | 584-84-9<br>nnical data sheet  | 1.6 % for VOC information.    |  |  |
| Non-volatile (Wt  | Toluene diisocyanate ) : Refer to the product tech   |  |                               |  |  |
| Non-volatile (Wt  | Toluene diisocyanate ) : Refer to the product tech   |  |                               |  |  |
| Non-volatile (Wt  | Toluene diisocyanate ) : Refer to the product tech ations Right To Know Toluene diisocyanate   | nnical data sheet<br>584-84-9  |                               |  |  |
| Non-volatile (Wt  | Toluene diisocyanate ) : Refer to the product tech ations Right To Know Toluene diisocyanate 2-Methyl-m-phenylene diisocyanate   | nnical data sheet<br>584-84-9<br>91-08-7   |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts                   | Toluene diisocyanate ) : Refer to the product tech ations Right To Know Toluene diisocyanate 2-Methyl-m-phenylene diisocyanate Ethyl acrylate  | nnical data sheet<br>584-84-9  |                               |  |  |
| Non-volatile (Wt  | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know   | nnical data sheet<br>584-84-9<br>91-08-7   |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts                   | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know<br>Polyurethane Pre-Polymer   | nnical data sheet<br>584-84-9<br>91-08-7<br>140-88-5<br>-  |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts                   | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know<br>Polyurethane Pre-Polymer<br>Toluene diisocyanate   | nnical data sheet<br>584-84-9<br>91-08-7<br>140-88-5<br>-<br>584-84-9                                  |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts                   | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know<br>Polyurethane Pre-Polymer   | nnical data sheet<br>584-84-9<br>91-08-7<br>140-88-5<br>-  |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts                   | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know<br>Polyurethane Pre-Polymer<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Benzoyl Chloride  | nnical data sheet<br>584-84-9<br>91-08-7<br>140-88-5<br>-<br>584-84-9<br>91-08-7                       |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts<br>Pennsylvania R | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know<br>Polyurethane Pre-Polymer<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Benzoyl Chloride  | nnical data sheet<br>584-84-9<br>91-08-7<br>140-88-5<br>-<br>584-84-9<br>91-08-7                       |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts<br>Pennsylvania R | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know<br>Polyurethane Pre-Polymer<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Benzoyl Chloride<br>ght To Know<br>Polyurethane Pre-Polymer<br>Toluene diisocyanate   | nnical data sheet<br>584-84-9<br>91-08-7<br>140-88-5<br>-<br>584-84-9<br>91-08-7                       |                               |  |  |
| Non-volatile (Wt<br>US State Regul<br>Massachusetts<br>Pennsylvania R | Toluene diisocyanate<br>) : Refer to the product tech<br>ations<br>Right To Know<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Ethyl acrylate<br>Right To Know<br>Polyurethane Pre-Polymer<br>Toluene diisocyanate<br>2-Methyl-m-phenylene diisocyanate<br>Benzoyl Chloride<br>Jht To Know<br>Polyurethane Pre-Polymer<br>Toluene diisocyanate<br>de Secret : Not Applicable<br>er for the | nnical data sheet<br>584-84-9<br>91-08-7<br>140-88-5<br>-<br>584-84-9<br>91-08-7<br>98-88-4<br>-       |                               |  |  |



410 Pike Road • Huntingdon Valley, PA 19006

| AFETY DATA SHEET                                  |  | <b>C</b> ELANTAS<br>Electrical Insulation    |
|---|--|--|
| NATHANE® EN-1                                     | 556 Part B Curative  |  |
| rsion 4   | Revision Date 06/29/2020   | Print Date 06/30/2020                        |
| TION 1. IDENTIFICATION                            |  |  |
| Product name                                      | : CONATHANE® EN-1556 Part B  | Curative                                     |
| Manufacturer or supplier                          | 's details   |  |
| Company   | : ELANTAS PDG, INC.<br>5200 North 2nd Street<br>St. Louis MO 63147   | Chemi<br>Conce                               |
| Telephone<br>Visit our web site<br>E-mail address | : (314) 621-5700<br>: www.elantas.com<br>: Todd.Thomas@altana.com  | Our expertise is your                        |
| Emergency telephone<br>number                     | · INFOTRAC - 1-800-535-5053  | chemical-concepts                            |
|   |  | 800.220.19                                   |
| Recommended use of the Recommended use            | e chemical and restrictions on use<br>: Electrical Insulation  | 410 Pike Road • Huntingdon Valley, I         |
| Restrictions on use                               | : This product is for industrial use<br>consumer use or retail sale.<br>Refer to Section 15 for any restri | -  |
| Skin sensitisation<br>Reproductive toxicity       | : Category 1<br>: Category 2   |  |
| GHS label elements                                |  |  |
| Hazard pictograms                                 |  |  |
| Signal word                                       | : Warning  |  |
| Hazard statements                                 | : H317 May cause an allergic skin<br>H361d Suspected of damaging th  |  |
| Precautionary statements                          | : <b>Prevention:</b><br>P201 Obtain special instructions<br>P202 Do not handle until all safe              | before use.<br>ty precautions have been read |

# **C** ELANTAS Electrical Insulation

# **CONATHANE® EN-1556 Part B Curative**

| P302 + P352 IF ON SKIN: Wash with plenty of soap and we         P308 + P313 IF exposed or concerned: Get medical adviced attention.         P333 + P313 If skin irritation or rash occurs: Get medical ad attention.         P333 Wash contaminated clothing before reuse.         Storage:         P405 Store locked up.         Disposal:         P501 Dispose of contents/ container to an approved waste disposal plant.         Other hazards         None known.         TION 3. COMPOSITION/INFORMATION ON INGREDIENTS         Chemical nature       : Polyol / Aromatic Diamine Blend         Hazardous components         Component       CAS-No.         Component       102093-68-5         Parterly-4,6-bis(methylthio)-1,3-       102093-68-5         benzenediamine       : - < 5         2-methyl-4,6-bis(methylthio)-1,3-       104983-85-9         benzenediamine       : - < < 5         General advice       : Move out of dangerous area.          : Ehow this safety data sheet to the doctor in attendance.          Do not leave the victum unattended.         if inhaled       : if unconscious, place in recovery position and seek medical advice.          If symptoms persist, call a physician.         In case of eye contact       : fluo nskin, rinse well wi | rsion 4                       | Revision Da   | te 06/29/2020   | Print Date 06/30/2   |
|--|-------------------------------|---|---|--|
| None known.         CTION 3. COMPOSITION/INFORMATION ON INGREDIENTS         Chemical nature       : Polyol / Aromatic Diamine Blend         Hazardous components       CAS-No.       Concentration (%)         4-methyl-2.6-bis(methylthio)-1,3-       102093-68-5       >= 17 - < 18  |                               | P308 + P313<br>attention.<br>P333 + P313<br>attention.<br>P363 Wash o<br><b>Storage:</b><br>P405 Store lo<br><b>Disposal:</b><br>P501 Dispose | IF exposed or conce<br>If skin irritation or ra-<br>contaminated clothing<br>ocked up.<br>e of contents/ contain  | erned: Get medical advice/<br>ish occurs: Get medical advid<br>g before reuse. |
| Chemical nature<br>Hazardous components       : Polyol / Aromatic Diamine Blend         Component       CAS-No.       Concentration (%)         4-methyl-2,6-bis(methylthio)-1,3-<br>benzenediamine       102093-68-5       >= 17       - < 18   |                               |   |   |  |
| Hazardous components       CAS-No.       Concentration (%)         4-methyl-2,6-bis(methylthio)-1,3-<br>benzenediamine       102093-68-5       >= 17       - < 18  | TION 3. COMPOSITION/INI       | FORMATION ON IN   | GREDIENTS   |  |
| 4-methyl-2,6-bis(methylthio)-1,3-<br>benzenediamine     102093-68-5     >= 17     - < 18       2-methyl-4,6-bis(methylthio)-1,3-<br>benzenediamine     104983-85-9     >= 4     - < 5  |                               | : Polyol / Arom   | atic Diamine Blend  |  |
| benzenediamine       104983-85-9       >= 4       - < 5  | Component                     |   | CAS-No.   | Concentration (%)  |
| benzenediamine       1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-       77-99-6       >= 2 - < 3  |                               | -1,3-   | 102093-68-5   | >= 17 - < 18   |
| CTION 4. FIRST AID MEASURES         General advice       :       Move out of dangerous area.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.         If inhaled       :       If unconscious, place in recovery position and seek medical<br>advice.<br>If symptoms persist, call a physician.         In case of skin contact       :       If on skin, rinse well with water.         In case of eye contact       :       Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.         If swallowed       :       Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.   |                               | -1,3-   | 104983-85-9   | >= 4 - < 5   |
| General advice: Move out of dangerous area.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.If inhaled: If unconscious, place in recovery position and seek medical<br>advice.<br>If symptoms persist, call a physician.In case of skin contact: If on skin, rinse well with water.In case of eye contact: Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.If swallowed: Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.  | 1,3-Propanediol, 2-ethyl-2-(l | nydroxymethyl)-   | 77-99-6   | >= 2 - < 3   |
| Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.If inhaled:If unconscious, place in recovery position and seek medical<br>advice.<br>If symptoms persist, call a physician.In case of skin contact:In case of eye contact:In case of eye contact:In case of eye contact:In skin, rinse well with water.In case of eye contact:If on skin, rinse well with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.If swallowed:Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.   | TION 4. FIRST AID MEASU       | RES   |   |  |
| advice.In case of skin contactIn case of eye contactIn case of eye contactIn case of eye contactIf on skin, rinse well with water.In case of eye contactFlush eyes with water as a precaution.Remove contact lenses.Protect unharmed eye.Keep eye wide open while rinsing.If eye irritation persists, consult a specialist.If swallowedKeep respiratory tract clear.Do not give milk or alcoholic beverages.Never give anything by mouth to an unconscious person.   | General advice                | Show this sat   | fety data sheet to the  |  |
| In case of skin contact<br>In case of eye contact: If on skin, rinse well with water.: Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.If swallowed: Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.  | If inhaled                    | advice.<br>If symptoms  | persist, call a physic  |  |
| If swallowed : Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.   |                               | : Flush eyes w<br>Remove cont<br>Protect unhai<br>Keep eye wic  | <ul> <li>If on skin, rinse well with water.</li> <li>Flush eyes with water as a precaution.<br/>Remove contact lenses.<br/>Protect unharmed eye.<br/>Keep eye wide open while rinsing.</li> </ul> |  |
|  | If swallowed                  | : Keep respirat<br>Do not give n<br>Never give ar   | ory tract clear.<br>hilk or alcoholic beve<br>hything by mouth to a   | erages.<br>an unconscious person.  |
|  |                               |   |   |  |

# CONATHANE® EN-1556 Part B Curative

|   | Revision Date 06/29/2020   | Print Date 06/30/20   |
|---|--|---|
| CTION 5. FIREFIGHTING MEA   | SURES  |   |
| Unsuitable extinguishing  | : High volume water jet  |   |
| media<br>Further information  | : Standard procedure for chemical f<br>Use extinguishing measures that a   |   |
| Special protective equipment for firefighters                             | <ul><li>circumstances and the surroundin</li><li>Wear self-contained breathing app<br/>necessary.</li></ul>  | g environment.  |
| CTION 6. ACCIDENTAL RELE  | ASE MEASURES   |   |
| Personal precautions,<br>protective equipment and<br>emergency procedures | : Use personal protective equipmen   | ıt.   |
| Environmental precautions   | : Prevent product from entering drai<br>Prevent further leakage or spillage  |   |
| Methods and materials for containment and cleaning up                     | : Soak up with inert absorbent mate<br>acid binder, universal binder, saw<br>Keep in suitable, closed containers   | dust).  |
|   |  |   |
| CTION 7. HANDLING AND ST  | ORAGE  |   |
| CTION 7. HANDLING AND ST  | <ul> <li>Do not breathe vapours/dust.<br/>Avoid exposure - obtain special ins<br/>Avoid contact with skin and eyes.<br/>For personal protection see sectio<br/>Smoking, eating and drinking shou<br/>application area.<br/>Dispose of rinse water in accordar<br/>regulations.<br/>Persons susceptible to skin sensit<br/>allergies, chronic or recurrent resp<br/>be employed in any process in wh<br/>used.</li> </ul> | n 8.<br>uld be prohibited in the<br>nce with local and national<br>isation problems or asthma,<br>piratory disease should not |

**C ELANTAS** Electrical Insulation

Contains no substances with occupational exposure limit values. Hazardous components without workplace control parameters

# **C** ELANTAS Electrical Insulation

# **CONATHANE® EN-1556 Part B Curative**

| rsion 4                                 | Revision Date 06/29/2020   | Print Date 06/30/202      |
|---|--|---------------------------|
| Engineering measures                    | : Use with adequate ventilation.<br>All application areas should be ver<br>applicable OSHA regulations. (e.g |                           |
| Personal protective equipme             | nt   |                           |
| Respiratory protection                  | : In the case of vapour formation us<br>approved filter.   | e a respirator with an    |
| Hand protection<br>Remarks              | : The suitability for a specific workpl<br>with the producers of the protective                              |                           |
| Eye protection                          | : Eye wash bottle with pure water<br>Tightly fitting safety goggles  |                           |
| Skin and body protection                | : Impervious clothing<br>Choose body protection according<br>concentration of the dangerous su               |                           |
| Hygiene measures                        | : Wash hands before breaks and at  |                           |
| CTION 9. PHYSICAL AND CHEI              | MICAL PROPERTIES   |                           |
| Appearance                              | : liquid   |                           |
| Odour Threshold                         | : No data available  |                           |
| рН                                      | : No data available  |                           |
| Melting point/freezing point            | : No data available  |                           |
| Initial boiling point and boiling range | : No data available  |                           |
| Vapour pressure                         | : No data available  |                           |
| Flash point                             | : > 201 °F (> 94 °C)<br>Method: No information available.  |                           |
| Upper explosion limit                   | Information taken from reference<br>: No data available  | works and the literature. |
| Lower explosion limit                   | : No data available  |                           |
| Evaporation rate                        | : No data available  |                           |
| Flammability (solid, gas)               | : No data available  |                           |
| Relative vapour density                 | : No data available  |                           |
| Relative Density/Specific<br>Gravity    | : No data available  |                           |
| Density                                 | : 1.0305 g/cm3 (77 °F (25 °C))   |                           |
| Solubility(ies)<br>Water solubility     | : No data available  |                           |
|   |  |                           |
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# CONATHANE® EN-1556 Part B Curative

|   |                                | Revision Date 06/29/2020   | Print Date 06/30/ |
|---|--------------------------------|--|-------------------|
|   |                                |  |                   |
| Solubility in other solvents  | :                              | No data available  |                   |
| Partition coefficient: n-   | :                              | No data available  |                   |
| octanol/water<br>Ignition temperature   |                                | No data available  |                   |
|   |                                |  |                   |
| Thermal decomposition   | :                              | No data available  |                   |
| Viscosity   |                                | No data available  |                   |
| Viscosity, dynamic  | :                              | No data available  |                   |
| Viscosity, kinematic  | :                              | > 21 mm2/s (104 °F (40 °C))  |                   |
|   |                                |  |                   |
| TION 10. STABILITY AND R  | EAC                            | ΤΙVΙΤΥ   |                   |
| Reactivity  | :                              | No decomposition if stored and app   |                   |
| Chemical stability  | :                              | No decomposition if stored and app   |                   |
| Possibility of hazardous reactions  | :                              | No decomposition if stored and appl  | lied as directed. |
| Conditions to avoid   |                                | No data available  |                   |
| Hazardous decomposition   |                                | Carbon monoxide in a fire.   |                   |
| products  | •                              | Nitrogen oxides in a fire.   |                   |
| products  |                                |  |                   |
|   |                                | Ammonia  |                   |
| TION 11. TOXICOLOGICAL<br>Information on likely routes<br>Acute toxicity  |                                | ORMATION   |                   |
| Information on likely routes  | s of e                         | DRMATION   |                   |
| Information on likely routes<br>Acute toxicity  | s of e                         | ORMATION   |                   |
| Information on likely routes<br>Acute toxicity<br><u>Product:</u>   | s of e                         | <b>DRMATION</b><br>exposure<br>Acute toxicity estimate : 2,337 mg/kg   |                   |
| Information on likely routes<br>Acute toxicity<br><u>Product:</u><br>Acute oral toxicity  | s of e                         | ORMATION<br>exposure<br>Acute toxicity estimate : 2,337 mg/kg<br>Method: Calculation method<br>Acute toxicity estimate : > 5,000 mg/   |                   |
| Information on likely routes Acute toxicity Product: Acute oral toxicity Acute dermal toxicity Components: 77-99-6 1,3-Propanediol, 2-6   | s of e<br>:<br>:<br>ethyl      | <b>DRMATION exposure</b> Acute toxicity estimate : 2,337 mg/kg         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/l         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/l         Method: Calculation method         -2-(hydroxymethyl)-:   |                   |
| Information on likely routes Acute toxicity Product: Acute oral toxicity Acute dermal toxicity Components:  | s of e<br>:<br>:<br>ethyl      | <b>DRMATION exposure</b> Acute toxicity estimate : 2,337 mg/kg         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/l         Method: Calculation method  |                   |
| Information on likely routes Acute toxicity Product: Acute oral toxicity Acute dermal toxicity Components: 77-99-6 1,3-Propanediol, 2-6   | s of e<br>:<br>:<br>ethyl      | <b>DRMATION exposure</b> Acute toxicity estimate : 2,337 mg/kg         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/l         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/l         Method: Calculation method                                |                   |
| Information on likely routes Acute toxicity Product: Acute oral toxicity Acute dermal toxicity Components: 77-99-6 1,3-Propanediol, 2-4 Acute oral toxicity                           | s of e<br>:<br>:<br>ethyl<br>: | <b>DRMATION exposure</b> Acute toxicity estimate : 2,337 mg/kg         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/kg         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/kg         -2-(hydroxymethyl)-:         LD50 (Rat): > 10,000 mg/kg |                   |
| Information on likely routes Acute toxicity Product: Acute oral toxicity Acute dermal toxicity Components: 77-99-6 1,3-Propanediol, 2-4 Acute oral toxicity Acute inhalation toxicity | s of e<br>:<br>:<br>ethyl<br>: | <b>DRMATION exposure</b> Acute toxicity estimate : 2,337 mg/kg         Method: Calculation method         Acute toxicity estimate : > 5,000 mg/kg         Method: Calculation method <b>-2-(hydroxymethyl)-:</b> LD50 (Rat): > 10,000 mg/kg         LC50 (Rat): > 0.29 mg/l                          | kg                |

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GLP: yes

#### Skin corrosion/irritation

#### Product:

Remarks: May cause skin irritation and/or dermatitis.

#### Components:

#### **77-99-6 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-:** Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation GLP: yes

#### Serious eye damage/eye irritation

#### Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

#### **Components:**

#### 77-99-6 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-: Species: Rabbit Result: No eye irritation

Method: OECD Test Guideline 405 GLP: yes

#### Respiratory or skin sensitisation

Product:

Remarks: Causes sensitisation.

#### **Components:**

#### 77-99-6 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-:

Test Type: Mouse Local Lymph Node assay (LLNA) Exposure routes: Dermal Species: Mouse Method: OECD Test Guideline 429 Result: Does not cause skin sensitisation. GLP: yes

#### Carcinogenicity

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.

No component of this product present at levels greater than or

OSHA

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|  | 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.                                     |
| Further information                          |   |
| Product:                                     |   |
| Remarks: No data available                   |   |
| CTION 12. ECOLOGICAL IN                      | FORMATION   |
| Ecotoxicity                                  | Chemical <sup>™</sup>   |
| No data available                            | Chernicen   |
| Persistence and degradat                     |   |
| No data available                            | Our expertise is your solution.   |
| Bioaccumulative potentia                     | chemical-concepts.com   |
| No data available                            |   |
| <b>Mobility in soil</b><br>No data available | 800.220.1966  |
|  | 410 Pike Road • Huntingdon Valley, PA 19006   |
| Other adverse effects<br>No data available   |   |
| Product:                                     |   |
| 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<br>Class I or Class II ODS as defined by the U.S. Clean Air Act<br>Section 602 (40 CFR 82, Subpt. A, App.A + B). |
| Additional ecological information            | : No data available   |
| CTION 13. DISPOSAL CONS                      | SIDERATIONS   |
| Disposal methods                             |   |
| -  | : WC: C   |
| EPA Hazardous Waste<br>Code(s)               | : none  |
| Waste from residues                          | : Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with<br>chemical or used container.   |
|  |   |
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| AFETY DATA SHEET                      |   | <b>CELANTAS</b><br>Electrical Insulation |
|---------------------------------------|---|--|
| <b>DNATHANE® EN-155</b>               | 6 Part B Curative   |  |
| rsion 4                               | Revision Date 06/29/2020  | Print Date 06/30/20                      |
| Contaminated packaging                | Send to a licensed waste mana<br>: Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers |  |
| CTION 14. TRANSPORT INFO              | RMATION   |  |
| International Regulations             |   |  |
| IATA-DGR                              |   |  |
| UN/ID No.                             | : UN 3082   |  |
| Proper shipping name                  | : Environmentally hazardous sub   | stance, liquid, n.o.s.                   |
|                                       | ()  |  |
| Class                                 | : 9   |  |
| Packing group                         | : 111   |  |
| Labels                                | : Miscellaneous   |  |
| Packing instruction (cargo            | : 964   |  |
| aircraft)                             |   |  |
| Packing instruction                   | : 964   |  |
| (passenger aircraft)                  |   |  |
| IMDG-Code                             |   |  |
| UN number                             | : UN 3082   |  |
| Proper shipping name                  | : ENVIRONMENTALLY HAZARI  | DOUS SUBSTANCE, LIQUID.                  |
| · · · · · · · · · · · · · · · · · · · | N.O.S.  | · · · · · · · · · · · · · · · · · · ·    |
|                                       | (4-METHYL-2,6-BIS(METHYL  | ГНІО)-1,3-                               |
|                                       | BENZENEDIAMINE)   |  |
| Marine Pollutant                      | : (4-METHYL-2,6-BIS(METHYL  | ГНІО)-1,3-                               |
|                                       | BENZENEDIAMINE)   |  |
| Class                                 | : 9   |  |
| Packing group<br>Labels               | : III<br>: 9  |  |
| EmS Code                              | . 9<br>: F-A, S-F   |  |
| Marine pollutant                      | : ves   |  |
|                                       | ,   |  |
| -                                     | to Annex II of MARPOL 73/78 and   | The IBC Code                             |
| Not applicable for product as         | supplied.   |  |
| National Regulations                  |   |  |
| 49 CFR                                |   |  |
| UN/ID/NA number                       | : UN 3082   |  |
| Proper shipping name                  | : Environmentally hazardous sub<br>(4-methyl-2,6-bis(methylthio)-1  | -  |
| Class                                 | : 9   | ,5-benzenediamine)                       |
|                                       |   |  |
| Packing group                         |   |  |
| Labels                                | : CLASS 9   |  |
| ERG Code                              | : 171   |  |
| Marine pollutant                      | : yes (4-methyl-2,6-bis(methylthi   | o)-1.3-benzenediamine)                   |

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# SECTION 15. REGULATORY INFORMATION EPCRA - Emergency Planning and Community Right-to-Know Act US. EPA CERCLA Hazardous Substances (40 CFR 302) This material does not contain any components with a CERCLA RQ. SARA 304 - Emergency Release Notification This material does not contain any components with a section 304 EHS RQ. US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) This material does not contain any components with a SARA 302 RQ. SARA 302 : No chemicals in this material are subject to the reporting

: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Non-volatile (Wt)

: Refer to the product technical data sheet for VOC information.

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

| Polytetrahydrofuran<br>4-methyl-2,6-bis(methylthio)-1,3-<br>benzenediamine | 25190-06-1<br>102093-68-5 |
|--|---------------------------|
| 2-methyl-4,6-bis(methylthio)-1,3-<br>benzenediamine                        | 104983-85-9               |
| New Jersey Right To Know   |                           |
| Polytetrahydrofuran  | 25190-06-1                |

| Polytetranyuroluran               | 20190-00-1  |
|-----------------------------------|-------------|
| 4-methyl-2,6-bis(methylthio)-1,3- | 102093-68-5 |
| benzenediamine                    |             |
| 2-methyl-4,6-bis(methylthio)-1,3- | 104983-85-9 |
| benzenediamine                    |             |

SAFETY DATA SHEET **C** ELANTAS **Electrical Insulation CONATHANE® EN-1556 Part B Curative** Version 4 Revision Date 06/29/2020 Print Date 06/30/2020 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)- 77-99-6 New Jersey Trade Secret : Not Applicable **Registry Number for the** product (NJ TSRN) 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. The components of this product are reported in the following inventories: TSCA : We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720 30(h). Section 4 / 12(b) : Not applicable Section 5 Not applicable Section 6 Not applicable DSL : We certify that all of the components of this product are listed on the DSL. **SECTION 16. OTHER INFORMATION Further information** NFPA: HMIS III: Flammability HEALTH 2 Instability Health FLAMMABILITY 1 0 2 **PHYSICAL HAZARD** 0 0 = not significant, 1 = Slight, Special hazard 2 = Moderate, 3 = High 4 = Extreme, \* = Chronic : 06/29/2020 Revision Date The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the 10/11

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specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



800.220.1966 410 Pike Road • Huntingdon Valley, PA 19006