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**MATERIAL SAFETY DATA SHEET**  
**TS SERIES**  
**CYANOACRYLATE ADHESIVE**

**HMIS                      HEALTH                      2                      FLAMMABILITY                      2                      PHYSICAL HAZARD                      1**

**1. Chemical Product**

**Product Name:**                      **TS Series**  
**Product Type:**                      **Ethyl Cyanoacrylate**

**2. Composition and Information on Harmful Ingredients**

<b>Ingredients</b>	<b>CAS No.</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>	<b>%Composition</b>
Ethyl Cyanoacrylate	7085-85-0	N/A	N/A	N/A	80-100

**3. Hazards Identification**

**Label Precautionary Statements:**                      **Irritant. Irritating to eyes, skin, and respiratory system. Cyanoacrylate. Danger. Bonds skin and eyes in seconds.**

**Primary Routes of Entry:**                      **None Known**

**Symptoms of Exposure:**                      **Vapor irritating to eyes and breathing. Prolonged exposure may lead to non-allergic asthma.**

**Medical Conditions Aggravated by Exposure:**                      **No applicable information found.**

**Ethyl Cyanoacrylate is not listed as a carcinogen in the US National Toxicology Program Annual report on carcinogens, or by the International Agency for Research on Cancer.**

**4. First Aid Measures**

**Ingestion:**                      **Ingestion not likely due to polymerization.**

**Inhalation:**                      **Remove to fresh air, if symptoms continue, seek medical advice.**

**Skin Contact:**                      **Soak in warm soapy water.**

**Eye Contact:**                      **Flush with water, seek medical attention.**

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**5. Fire Fighting Measures**

<b>Flash Point:</b>	<b>85°C</b>
<b>Extinguishing Media:</b>	<b>Water spray, foam, dry chemical or CO2.</b>
<b>Special Fire Fighting Procedures:</b>	<b>Wear self contained breathing apparatus.</b>
<b>Unusual Fire / Explosion Hazards:</b>	<b>No applicable information found.</b>
<b>Hazardous Thermal Decomposition Products:</b>	<b>Irritating organic vapors may be formed.</b>

**6. Accidental Release Measures**

**Ventilate area of spill, flood with water to polymerize, absorb with sand / earth and dispose to chemical waste bin. Dispose in accordance with pertinent national legislation.**

**7. Handling and Storage**

**When using large volumes ensure that operational area is well ventilated.**  
**Store between 5-25°C; avoid strong light and heat sources.**  
**Incompatible with amine, bases, water.**  
**Avoid skin contact and inhalation of vapor.**

**8. Exposure Control and Personal Protection**

<b>Eye Protection:</b>	<b>Safety goggles / glasses suitable for use with chemicals.</b>
<b>Respiratory Protection:</b>	<b>Use NIOSH approved respirator if there is potential to exceed exposure limits.</b>
<b>Skin Protection:</b>	<b>Nitrile / polyethylene gloves, coveralls, avoid cotton products.</b>
<b>Ventilation:</b>	<b>Good general or local exhaust ventilation is required for usage.</b>

**9. Physical and Chemical Properties**

<b>Form:</b>	<b>Liquid</b>
<b>Color:</b>	<b>Clear</b>
<b>Odor:</b>	<b>Sharp, irritating</b>
<b>Solubility in Water:</b>	<b>Immiscible in water</b>
<b>Boiling Point:</b>	<b>150°C</b>
<b>Specific Gravity @ 25°C:</b>	<b>1.04</b>
<b>Vapor Pressure @ 25°C:</b>	<b>0.293 mmHg</b>
<b>Flash Point:</b>	<b>85°C</b>

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**10. Reactivity and Stability**

<b>Stability:</b>	<b>Stable</b>
<b>Hazardous Polymerization:</b>	<b>Will not occur</b>
<b>Incompatibility:</b>	<b>Water, bases, amines</b>
<b>Conditions to Avoid:</b>	<b>No applicable information found</b>
<b>Hazardous Decomposition Products:</b>	<b>No applicable information found</b>

**11. Toxicological Information**

**Estimated Oral LD50: >5000 mg kg**  
**Estimated Dermal LD50: >2000 mg kg**  
**Causes Severe Irritation. High concentrations are destructive to tissues of the mucous membranes and the upper respiratory tract.**

**12. Ecological Information**

**No applicable information found**

**13. Disposal Considerations**

**Cyanoacrylates must be disposed of in accordance with all national and local regulations.**

**14. Transportation Information**

**Not considered hazardous for the purposes of transportation.**

**15. Regulatory Information (Not meant to be all inclusive)**

**TSCA**

**All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.**

**California Proposition 65**

**No California Proposition 65 listed chemicals are known to be present.**

**Canada DSL**

**All ingredients of this product are listed, or are exempt from listing, on the Canada DSL.**

**NON-WARRANTY: Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.**