



SAFETY DATA SHEET According to GHS

PO Box 1528 • Mount Airy, NC 27030-1528
800.346.8229 • Fax 336.789.9586 • www.NCFI.com

Dalton, GA

Mount Airy, NC

Houston, TX

Section 1: Identification

Product Identifier

Trade Name: B-24-120 Fast Cat(Activator)
Chemical Name: Polyurethane Prepolymer
Recommended Use: Component for the manufacture of Polyurethanes
Restrictions on Use:

Chemical Manufacturer Information

Name: NCFI Polyurethanes **Phone:** (800) 346-8229
Address: 1515 Carter St Mount Airy, NC 27030 **Fax:** (336) 789-9586
Website: www.NCFI.com **Emergency Phone:** CHEMTREC: 800-424-9300

Section 2: Hazard Identification

Classification of the substance or mixture:

| GHS Classification: | |
|------------------------------|-----------------------------|
| Resp. Sens. Category 1 | Carcinogen, Category 2 |
| STOT RE, Category 2 | Acute Toxicity, Category 4 |
| Skin Irritation, Category 2 | Eye Irritation, Category 2A |
| Skin Sensitivity, Category 1 | STOT SE, Category 3 |

GHS Labeling:



Warning

| Hazard Statements: | |
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| • May Cause allergy or asthma symptoms of breathing difficulties I f inhaled | • Suspected of causing cancer |
| • May cause damage to organs through prolonged or repeated exposure | • Harmful if Swallowed |
| • Causes skin irritation | • Causes serious eye irritation |
| • Causes allergic skin reaction | • May cause respiratory irritation |

| Precautionary Statements: | |
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| Obtain special instructions before use | Do not handle until all safety precautions have been read and understood |
| Do not breathe dust/fume/gas/mist/vapors/spray | Use only outdoors or in a well-ventilated area |
| Wash thoroughly after handling | Contaminated work clothing must not be allowed out of the workplace |
| Wear protective gloves/protective clothing/eye protection/ face protection | IF exposed or concerned: Get medical advice/attention |
| IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |



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| IF ON SKIN: Wash with plenty of soap and water | Call poison center/doctor if you feel unwell |
| Specific treatment (see on label) | Get medical advice/attention if you feel unwell |
| Take off contaminated clothing and wash it before reuse | If skin irritation of skin irritation or rash occurs: Get medical advice/attention |
| If eye irritation persists: Get medical advice/attention | If experiencing respiratory symptoms: Call a poison center/doctor |
| Wash contaminated clothing before reuse | Store in a well-ventilated space. Keep container tightly closed. In closed containers, there may be a risk of pressure build up due to water contamination |
| Store locked up. | Dispose of contents/container in accordance with local/regional/national/international regulations |

Section 3: Composition

Hazardous Components

Type of product: Mixture

Section 4: First Aid Measures

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| General | <ul style="list-style-type: none"> • Symptoms of poisoning may even occur after several hours; therefore, medical observation is required for at least 48 hours after the accident • MDI Vapors or mist at concentrations above the TLV can irritate the mucous membranes in the respiratory tract causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function. Persons with preexisting, nonspecific bronchial hyper reactivity can respond to concentrations below the TLV with similar symptoms as well as asthmatic attack. |
| Inhalation: | <ul style="list-style-type: none"> • In case of unconsciousness, place patient stably inside position for transportation • In case of respiratory failure or breathing irregularities, commence resuscitation or administer oxygen • If inhaled, remove victim from the immediate area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult. |
| Eye Contact: | <ul style="list-style-type: none"> • Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| Ingestion: | <ul style="list-style-type: none"> • Do NOT induce vomiting; immediately call for medical help. |



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| <p>Most Important symptoms and effects, acute and delayed:</p> | <ul style="list-style-type: none"> • Diisocyanate vapors or mist at concentrations above the TLV or PEL can irritate the mucous membranes in respiratory tract causing runny nose, sore throat, coughing chest discomfort, shortness of breath and reduced lung function. Persons with preexisting, nonspecific bronchial hyperactivity and respond to concentrations below the TLV or PEL with similar symptoms as well as asthma attack or asthma-like symptoms. Exposure well above the TLV or PEL may lead to bronchitis, bronchial spasm, and pulmonary edema. Chemical or hypersensitivity pneumonitis, with flu-like symptoms has also been reported. These symptoms can be delayed up to several hours after exposure. These effects are usually reversible. • Acute Skin Contact: Causes irritation with symptoms of reddening, itching, and swelling. Person previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove. • Chronic Skin Contact: Prolonged contact can cause reddening, swelling, rash, and in some cases skin sensitization. Animal test and other research indicate that skin contact with diisocyanates can play a role in causing sensitization and respiratory reaction. |
| <p>Indication of immediate medical attention and special treatment, if applicable:</p> | <ul style="list-style-type: none"> • N/A |
| <p>Skin Contact:</p> | <ul style="list-style-type: none"> • Instantly wash with water and soap and rinse thoroughly. Remove any contaminated clothing. IF skin irritation persists, seek medical advice. |

Section 5: Fire-Fighting Measures

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| <p>Suitable extinguishing media:</p> | <p>Water, dry chemicals, CO₂</p> |
| <p>Unsuitable extinguishing media:</p> | <p>Water with full jet</p> |
| <p>Special hazards arising from the chemical:</p> | <p>Can be released in case of fire: Nitrogen Oxides (NO_x), Carbon Monoxide (CO), Hydrogen Cyanide (HCN)</p> |
| <p>Precautions for fire-fighters:</p> | <p>A self-contained breathing apparatus should be worn to protect against toxic and irritating vapors.</p> |

Section 6: Accidental Release Measures

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| <p>Personal precautions, protective equipment, and emergency procedures:</p> | <ul style="list-style-type: none"> • Mount respiratory protective device • Wear protective equipment. Keep unprotected person away • Clean-up should only be performed by trained personal. Personnel dealing with major spills should wear appropriate protective equipment including, but no limited to, the following items: Gloves, goggles, respiratory protection equipment. |
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| <p>Environmental precautions:</p> | <ul style="list-style-type: none"> • Dispose contaminated material as waste according to item 13 • Ensure adequate ventilation • Absorb with liquid binding material (sand, acid binders, sawdust etc.) Transfer to a waste container. Keep the material damp and exposed to the air in a secure area until completely solidified. The waste can then be disposed of on an approved landfill or a special refuse dump. Ensure adequate ventilation. • In the event of a large spill, treat spill area with decontamination solution. Preparation of decontamination solution: Prepare a mixture of 0.2 - 0.5% liquid detergent and 3 – 8% concentration ammonium hydroxide in water (5 – 10% sodium carbonate may be substituted for ammonium hydroxide) |
| <p>Methods and material for containment and cleanup:</p> | <ul style="list-style-type: none"> • Absorb with sawdust, etc., and shovel into container. Waste material should be disposed of under conditions which meet federal, state, and local environmental regulations. |

Section 7: Handling and Storage

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| <p>Precautions for safe handling:</p> | <ul style="list-style-type: none"> • Ensure good ventilation/exhaust at workplace • Open and handle receptacle with care • Keep containers tightly sealed • Prevent formation of aerosols • Exhausted ventilation required during spraying or when material is being used at temperatures above 100F • Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or mist. Wash after handling. |
| <p>Conditions for safe storage, including any incompatibilities:</p> | <ul style="list-style-type: none"> • Requirements to be met by storerooms and Receptacles: Recommended ideal storage temperature ranges: 9 – 77F. Product should not be stored below 40F or above 110F. Material can increase in viscosity if stored at lower temperatures for extended periods of time. • Information about storage in one common storage facility: Store away from foodstuffs. Keep containers tightly closed. Store in cool, dry conditions. • Further information about storage conditions: Protect from frost. Store in dry conditions. Protect from humidity and water. Keep the container tightly sealed. |

Section 8: Exposure Controls and PPE

Exposure Limits

Exposure Controls



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| General: | Keep away from foodstuffs, beverages, and feed. Wash hands before breaks and at the end of work Store protective clothing separately Avoid contact with the eyes and skin Gasses fumes and aerosols should not be inhaled |
| Respiratory Protection: | The specific respirator selected must be based on contamination levels of this material found in the workplace and the working limits of the respirator. A supplied air, full-face mask, positive pressure or continuous flow respirator or a supplied air hood is required when airborne concentrations are unknown or exceed threshold limit values. A positive pressure, self-contained breathing apparatus can be used in emergencies or other unusual situations. Full-face air purifying respirators equipped with organic vapor cartridges can be used in certain situations, <i>see OSHA standard 29CFR 1910.134</i> . All equipment must be NIOSH approved and maintained. |
| Hand, eye, skin, body protection: | Tightly sealed goggles or chemical safety glasses and chemically resistant rubber or plastic gloves. Avoid eye and skin contact. Eye wash system and showers should be available. |
| Gloves Types: | Neoprene, nitrile rubber, PVC or butyl rubber. |
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Section 9: Physical and Chemical Properties

Basic chemical and physical properties

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|----------------------------------|-------------------|--|------------------------------|
| Appearance: | Liquid | Flammability: | No |
| Color: | Yellow | Upper/lower flammability or explosive limits: | N/A |
| Odor: | Characteristic | Vapor pressure: | N/A |
| Odor threshold: | N/A | Vapor density: | N/A |
| pH: | N/A | Liquid Density | 1.13 g/cm ³ |
| Melting pt/freezing pt: | <32°F | Solubility(ies): | Slightly soluble in water |
| Boiling pt/boiling range: | 140°F | Partition coefficient (n-octanol/water): | Not Determined |
| Flash point: | >392°F | Auto-ignition temperature: | Product is not self-igniting |
| Evaporation rate: | Slower than ether | Decomposition temperature: | N/A |

Section 10: Stability and Reactivity

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| Reactivity | Contact with moisture, other materials that react with isocyanates, or temperatures above 350 may cause polymerization |
| Possibility of hazardous reactions: | No decomposition if used according to specifications |
| Conditions to avoid: | No information available |
| Incompatible materials: | Amines and Alcohols |
| Hazardous decomposition products: | When burned, CO, CO ₂ , NO _x aliphatic fragments, halogens, halogen acids and possibly carbonyl halides. |

Section 11: Toxicological Information



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| Acute toxicity: | Sensitization, irritation to skin, mucous membrane, eyes. |
| Chronic toxicity: | Not available |
| Likely routes of exposure: | Skin, inhalation, oral |
| Symptoms related to physical, chemical and toxicological characteristics: | May cause skin irritation |
| Delayed and immediate effects and chronic effects from short and long-term exposure: | May cause skin sensitization; avoid contact with eyes. |

Section 12: Ecological Information

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| Ecotoxicity: | Aquatic Toxicity - EC50 – 12.5gm/l; LC50 – 164.5 mg/l |
| Persistence and degradability: | No known significant effects |
| Bio accumulative potential: | Does not bioaccumulate |
| Mobility in soil: | |

Section 13: Disposal

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| Waste disposal: | 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 |
|------------------------|---|

Section 14: Transport

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| UN number: | Not regulated |
| UN Proper shipping name: | Not regulated |
| Transport Hazard class(es): | Not regulated |
| Packing group, if applicable: | Not regulated |
| Marine pollutant (YorN): | N |
| Special precautions: | None |

Section 15: Regulatory

Relevant safety, health, and environmental regulations

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|--|----------------------------|
| Inventory Status: | All components TSCA listed |
| US Regulations: | No ingredients listed |
| US Superfund Amendments and Reauthorization Act (SARA) Title III Section 313 information: | No ingredients listed |



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Section 16: Other

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| SDS Preparation Date: | 12/7/2021 |
| Revision Date: | |

IMPORTANT NOTICES

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