

Material Safety Data Sheet

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Product Identification

Chemical family: Synthetic Urethane Polymer
Product name: Speedliner 700 Component A

Composition Information / Ingredients

Ingredient Name / CAS Number	Exposure Limits	Concentration
Synthetic Urethane Prepolymer CAS # 138626-39-8	OSHA: Not established ACGIH: .Not Established	99%
Isophrone di-isocyanate (IPID) CAS # 4098-71-9	ACGIH: .005 ppm TWA	Less than 1%

Synthetic urethane polymer containing trace amounts (less than 1%)
These limits are based on promulgated by the 1989 OSHA air contaminates standard 29 C 1910.0

Hazardous Material Identification

Primary route(s) of entry: skin absorption, inhalation and ingestion.

Eyes: eye irritant, possible eye burns and vision failure.

Skin: skin irritant and possible skin sensitizer. Direct skin is the route most likely to cause sensitization. Once sensitized an individual may react to airborne levels below the TLV with the following symptoms, itching and tingling of the earlobe and hives, swelling of the arms and legs or other symptoms common to allergic dermatitis. Any individual having a sensitization reaction to this material should be removed from exposure to any isocyanate.

Inhalation: inhalation of vapors or spray mist may also cause irritation to the respiratory tract (dry throat, cough, shortness of breath and chest tightness). In addition sinusitis, bronchitis or respiratory sensitization (asthma-like symptoms) may occur. Exposure to toluene may cause nausea, headaches, dizziness or any other central nervous system effects.

Emergency and first aid procedure

Eyes: flush with large amounts of water for at least 15 minutes. Seek medical attention immediately.

Skin: wash exposed area thoroughly with soap and water. Be sure to wash contaminated clothing before reusing. Seek medical attention.

Inhalation: move person into fresh air. Oxygen may be administered if available and needed. Seek medical attention immediately.

Ingestion: **do not** induce vomiting. Give glass of water or milk to drink. **Do not** give anything by mouth to an unconscious person. Seek medical attention immediately.

Fire and explosion hazard data

Flash point: not established

Flammable limits (% by volume in air): upper – N/A, lower – N/A

Extinguishing media: water spray (fog), foam, dry chemical and carbon dioxide.

Special fire fighting procedures: full protective equipment with self-contained breathing apparatus should be worn.

Unusual fire and explosion hazards: keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Water spray may be used to cool closed containers and prevent pressure build-up. Empty containers may contain liquid or vapor which is flammable or explosive. **Do not** weld, burn or cut empty containers.

Accidental release measures

Shut off and eliminate all ignition sources. Ventilate confined spaces. Workers should avoid direct skin or eye contact or inhalation or vapors. Absorb on dry inert material. Package for disposal.

Special precautions and storage data

Storage temperature: 38° C maximum

Shelf life: minimum one (1) year at 75° F (23° C)

Keep containers closed when not in use. Keep away from heat, sparks and open flame. Store in tightly sealed containers and keep away from moisture and direct sunlight.

Wear personal protective equipment when working on equipment that may be contaminated with material.

Personal protection

Respiratory protection: if working in conditions where TLV is exceeded use a chemical cartridge mask or air supply hood as required and/or approved by ANSI and OSHA. With personal monitoring for IPDI. Neoprene apron and gloves are also recommended

Ventilation: use with adequate forced air mechanical ventilation in accordance with OSHA regulations. Ventilation must be sufficient to prevent vapors from exceeding exposure limit(s) or build up of explosive concentrations of vapor in air.

Component A

Skin and eye protection: chemical resistant gloves, apron or coveralls and face shield are required. If protective creams are used minimize the area protected only by the cream.

Physical properties

Appearance: viscous clear liquid
Odor: Musty
Color: clear
Boiling point: greater than 450° F
Specific gravity: 1.02
Percent volatile (by volume): 0
Evaporation rate (ether = 1): slower
Vapor density (air = 1): greater
Solubility in water: negligible, reacts slowly with water to liberate carbon dioxide gas.

Stability and reactivity

Stability: stable under normal conditions.
Conditions to avoid: contact with moisture and other materials that react with isocyanate. Temperature above maximum storage temperatures.
Incompatibility: contact with water, alcohol's, amines and strong bases.
Hazardous decomposition products: by high heat and fire, carbon monoxide, carbon dioxide, oxides of nitrogen, traces of IICN isocyanate and solvent vapors.
Hazardous polymerization: will not occur under normal conditions.

Toxicological information

No data

Ecological information

No data

Disposal considerations

Dispose of in accordance with all local, state and federal regulations.

Shipping information

This material is not regulated as a DOT hazardous material.
Technical shipping name: none
DOT (domestic surface)
Proper shipping name: liquid resin (non-regulated)
Hazard class or division: none
UN/NA number: none
Freight class: 55
Packaging group: none

Regulatory information

No data

Other information

The data in this Material Safety Data Sheet relates only to the material designated herein and does not relate to use in combination with any other material or in any process. Because conditions of use of this material are outside our control we make no warranty, expressed or implied, except that it is accurate to the best knowledge of Industrial Polymers, Inc. and we assume no liability in connection with any use of this material. The data on this sheet relates only to the specific material designated herein. Industrial Polymers, Inc. assumes no legal responsibility for use or reliance upon this data. This product is intended for use by persons having technical skills and at their own discretion and risks.

Prepared by: C. Boddie
Approval date: 02/07
Supersedes none