



MATERIAL SAFETY DATA SHEET -Welding Adhesive

Speedline[®] Corp.
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Solon, Ohio 44139

Date Prepared: 01/08/03
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Section 1 - Product Identification

Name: **Speedline[®] Welding Adhesive**
Generic Description: Solvent weld adhesive
Physical Form: Thick liquid
Color: White
Odor: Strong solvent odor

Section 2 - OSHA Hazardous Ingredients

<u>Components</u>	<u>Wght./%</u>	<u>Exposure Limits</u>
Tetrahydrofuran	55	200 ppm
Methylethylketone	15	200 ppm
1-Nitroropane	5	25 ppm

Section 3 - Physical/Chemical Characteristics

Boiling Point: 151°F (66°C)
Specific Gravity (H₂O=1): 1.0
Vapor Density: Heavier than air
Evaporation Rate: Faster than ether
Coating V.O.C.: 6.18 lb./gl. (741 G/L)
Material V.O.C.: 6.18 lb./gl. (741 G/L)
Solubility in Water: Non soluble
Appearance and Odor: Adhesive with strong solvent odor

Section 4 - Fire and Explosion Hazard Data

Flash Point: -6F (-14.5 C);TCC
Flammable Limits in Air by Volume:
 Lower 1.0%
 Upper 6.0%
Extinguishing Media: Foam, CO₂, Dry Chemical



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Special Fire Fighting Procedures:	Wear self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode when fighting fires.
Unusual Fire and Explosion Hazards:	Material is highly volatile and gives off vapors which may travel along the ground and be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, or other ignition sources at locations distant from material handling point.

Section 5 – Reactivity Data

Stability:	Avoid heat, sparks, open flames and fire
Incompatibility:	Avoid strong oxidizing agents.
Hazardous Decomposition or By-Products:	May form toxic materials as carbon dioxide, carbon monoxide or various hydrocarbons
Hazardous Polymerization:	Polymerization can occur in the presence of catatonic initiators such as selected lewis acids or strong proton acids.

Section 6 – Health Hazard Data

Inhalation Health Risks and Symptoms of Exposure:	Excessive inhalation of vapors can cause nasal and respiratory irritation and central nervous system effects, including weakness, fatigue, nausea, headache and possible unconsciousness.
Skin and Eye Contact Risks and Symptoms of Exposure:	Causes irritation, burns if not removed.
Skin Absorption Risks and Symptoms of Exposure:	Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
Ingestion Risks:	Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Health Hazards (Acute and Chronic):	Overexposure to this material has apparently been found to cause the following effects in laboratory animals: liver abnormalities, kidney damage.
Carcinogenicity:	NTP – No



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	IARC Monographs – No OSHA Regulated – No
Medical Conditions Generally Aggravated by Exposure:	Possible allergic reaction
Emergency and First Aid Procedures-	
Skin:	Thoroughly wash exposed area with soap and water. Use mild hand cream.
Eyes:	Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.
Ingestion:	Do not induce vomiting. Immediately drink two glasses of water. Call physician or transport to medical facility.
Inhalation:	Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

Section 7 – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to containers for proper disposal.
Waste Disposal Method:	Dispose of in accordance with local, state and federal regulations.
Precautions to be Taken in Handling and Storing:	Never use welding or cutting torch on or near containers (even empty) because product can ignite explosively. All metal containers of five or more gallons should be grounded and/or bonded when material is transferred.
Other Precautions:	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solids) all hazard precautions given in the data sheet must be observed.



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Section 8 – Control Measures

Respiratory Protection:	A NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit NIOSH/MSHA respirators (Negative Pressure Type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.
Ventilation:	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVIS.
Protective Gloves:	Wear resistant gloves such as <i>Polyvinyl Alcohol</i> .
Eye Protection:	Chemical splash goggles in compliance with OSHA Regulations are advised. OSHA Regulations also permit other glasses.
<i>Other Protective Clothing or Equipment:</i>	To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Section 9 – Disclaimer

The information presented in this MSDS represents the most accurate known presentation of this product. However, due to the many and diverse variables in its end use, it is the end users' responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary.