1. Identification

Product Name: Weldwood High Strength Spray Adhesive
Product UPC Number: 070798001213
Manufacturer: DAP Products Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non - emergency matters)
SDS Coordinator: MSDS@dap.com
Emergency Telephone: 1-800-535-5053,
1-352-323-3500, 1-800-222-1222
Revision Date: 2/14/2019
Supercedes Date: 10/4/2018
Product Use/Class: Adhesive
SDS No: 00030199004
Preparer: Regulatory and Environmental Affairs

2. Hazards Identification

GHS Classification
Comp. Gas, Eye Irrit. 2, Fl Aer, 1, Skin Irrit. 2, STOT RE 2, STOT SE 3 NE

Symbol(s) of Product

Signal Word
Danger

Possible Hazards
98% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS
Flammable Aerosol, category 1 H222 Extremely flammable aerosol.
Compressed Gas H280 Contains gas under pressure; may explode if heated.
Skin Irritation, category 2 H315 Causes skin irritation.
**Eye Irritation, category 2**  
**H319** Causes serious eye irritation.

**STOT, single exposure, category 3, NE**  
**H336** May cause drowsiness or dizziness.

**STOT, repeated exposure, category 2**  
**H373** May cause damage to organs through prolonged or repeated exposure.

**GHS LABEL PRECAUTIONARY STATEMENTS**

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**P211** Do not spray on an open flame or other ignition source.

**P251** Do not pierce or burn, even after use.

**P260** Do not breathe dust/fume/gas/mist/vapours/spray.

**P264** Wash thoroughly after handling.

**P271** Use only outdoors or in a well-ventilated area.

**P280** Wear protective gloves/protective clothing/eye protection/face protection.

**P302+P352** IF ON SKIN: Wash with plenty of soap and water.

**P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P312** Call a POISON CENTER or doctor/physician if you feel unwell.

**P321** Specific treatment (see ... on this label).

**P332+P313** If skin irritation occurs: Get medical advice/attention.

**P337+P313** If eye irritation persists: Get medical advice/attention.

**P362** Take off contaminated clothing.

**P403+P233** Store in a well-ventilated place. Keep container tightly closed.

**P405** Store locked up.

**P410+P403** Protect from sunlight. Store in a well-ventilated place.

**P410+P412** Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.

**P501** Dispose of contents/container to ...

### 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. %</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>15-40</td>
<td>GHS02-GHS07</td>
<td>H225-319-336</td>
</tr>
<tr>
<td>n-Hexane</td>
<td>110-54-3</td>
<td>10-30</td>
<td>GHS02-GHS07</td>
<td>H225-304-315-336-373</td>
</tr>
<tr>
<td>Hydrocarbon Propellant</td>
<td>68476-86-8</td>
<td>10-30</td>
<td>GHS02-GHS07</td>
<td>H220-332</td>
</tr>
<tr>
<td>S-i-s block coploymer</td>
<td>25038-32-8</td>
<td>5-10</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Hydrocarbon</td>
<td>68003-51-0</td>
<td>5-10</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Petroleum hydrocarbon resin</td>
<td>68527-25-3</td>
<td>5-10</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>3-7</td>
<td>GHS02-GHS07-GHS08</td>
<td>H225-304-315-332-335-336-373</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>79-20-9</td>
<td>3-7</td>
<td>GHS02-GHS07</td>
<td>H225-319-336</td>
</tr>
</tbody>
</table>

The text for GHS Hazard Statements shown above (if any) is given in the “Other information” Section.

### 4. First-aid Measures

**FIRST AID - INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. NOTE: Only trained personnel should administer artificial respiration or give oxygen.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist. Remove and wash contaminated clothing. DO NOT try to peel the solidified material from the skin or use solvents or thinners to dissolve it. The use of vegetable oil or mineral oil is recommended for removal of this material from the skin. Flush exposed area with water while removing contaminated clothing. Get medical attention if irritation persists. To remove from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.

**FIRST AID - EYE CONTACT:** If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

**FIRST AID - INGESTION:** If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

### 5. Fire-fighting Measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Eliminate sources of ignition: heat, electrical equipment, sparks and flames. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Vapors may form explosive mixtures with air. Containers may explode if exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus pressure-demand (NIOSH approved or
6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: NOTE: Review fire hazards before proceeding with clean up. Immediately eliminate sources of ignition. Keep people away from and upwind of spill/leak. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Prevent product from entering drains. Soak up with inert absorbent material and dispose of as hazardous waste. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. Scrape up dried material and place into containers.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDRENIDO NOT TAKE INTERNALLY. Remove all sources of ignition. Make sure nozzle is directed away from yourself prior to discharge. Keep away from open flames, hot surfaces and sources of ignition. Provide adequate ventilation. Avoid heat, sparks and open flames. Wear appropriate personal protection. Use in well ventilated area. Open all windows and doors or use other means to ensure cross-ventilation and fresh air entry during application and drying. Odor is not an adequate warning for hazardous conditions. Do not breathe dust. While dry sanding, use of a NIOSH-approved dust mask is recommended. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion. Do not use in areas where static sparks may be generated. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal. Construction and repair activities can adversely affect indoor air quality. Consult with occupants or a representative (i.e. maintenance, building manager, industrial hygienist, or safety officer) to determine ways to minimize impact.

STORAGE: Store away from sources of ignition and heat. Keep away from heat and sources of ignition. Protect material from direct sunlight. Do not store at temperatures above 120 degrees F. Store containers away from excessive heat and freezing. Store away from caustics and oxidizers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH-TLV STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>250 ppm TWA</td>
<td>500 ppm STEL</td>
<td>1000 ppm TWA,</td>
<td>N.E.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2400 mg/m3 TWA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>500 ppm TWA,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1800 mg/m3 TWA</td>
<td></td>
</tr>
<tr>
<td>n-Hexane</td>
<td>50 ppm TWA</td>
<td>N.E.</td>
<td>N.E.</td>
<td></td>
</tr>
<tr>
<td>Hydrocarbon Propellant</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td></td>
</tr>
<tr>
<td>S-i-s block coplymer</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td></td>
</tr>
<tr>
<td>Hydrocarbon</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td></td>
</tr>
<tr>
<td>Petroleum hydrocarbon resin</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>20 ppm TWA</td>
<td>N.E.</td>
<td>200 ppm TWA</td>
<td>300 ppm Ceiling</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>200 ppm TWA</td>
<td>250 ppm STEL</td>
<td>200 ppm TWA, 610 N.E. mg/m3 TWA</td>
<td></td>
</tr>
</tbody>
</table>

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

Personal Protection

RESPIRATORY PROTECTION: When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full facepiece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary. A NIOSH-approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits. If concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a Self Contained Breathing Apparatus (SCBA) may be necessary. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear and appropriate, properly fitted respirator (NIOSH approved) during and after application. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator’s use.
SKIN PROTECTION: Solvent-resistant gloves. Wear protective gloves.

EYE PROTECTION: Goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Provide eyewash and solvent impervious apron if body contact may occur.

HYGIENIC PRACTICES: Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Tan</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Density, g/cm³</td>
<td>0.80 - 0.80</td>
</tr>
<tr>
<td>Freeze Point, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>No Information</td>
</tr>
<tr>
<td>Decomposition Temperature, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Boiling Range, °C</td>
<td>N.E. - N.E.</td>
</tr>
<tr>
<td>Minimum Flash Point, °C</td>
<td>-45</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Faster Than n-Butyl Acetate</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier Than Air</td>
</tr>
<tr>
<td>Flammability, NFPA</td>
<td>Aerosol Level II</td>
</tr>
</tbody>
</table>

(See "Other information" Section for abbreviation legend)
(If product is an aerosol, the flash point stated above is that of the propellant.)

10. Stability and Reactivity

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Do not breathe dust. Avoid dust formation in confined areas. Do not burn or use a cutting torch on the empty container. Excessive heat or flames, incompatible substances. Keep away from open flames, hot surfaces and sources of ignition. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Avoid contact with skin, eyes and clothing. Do not smoke.

INCOMPATIBILITY: Open flames, hot surfaces and sources of ignition. Keep away from strong oxidizing agents, heat and open flames. Exothermic reaction with strong acids. Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e., COx, NOx.

11. Toxicological Information

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation of vapors may cause irritation of the nose, throat, lungs and respiratory tract. Inhalation of vapors in high concentration may cause shortness of breath (lung edema). Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Prolonged, repeated or high exposures may cause central nervous system depression leading to headaches, nausea, drowsiness, dizziness, and possibly narcosis. In extreme cases, may cause loss of consciousness. Prolonged, repeated, or high exposures may cause irritation to the respiratory tract (nose, mouth, mucus membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Harmful if absorbed through the skin. May cause skin irritation. Prolonged and repeated skin contact may cause dermatitis, drying and defatting due to the solvent properties.

EFFECT OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation. Signs and symptoms may include: pain, tears, swelling, redness and blurred vision.

EFFECT OF OVEREXPOSURE - INGESTION: Harmful or fatal if swallowed. May cause gastrointestinal disturbances with dizziness and central nervous system depression. If ingested, may cause depressed respiration. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed. Aspiration of material into the lungs due to vomiting can
cause chemical pneumonitis, which can be fatal.

CARCINOGENICITY: No Information

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated or prolonged exposure may cause irregular heartbeat and heart failure as well as respiratory system, kidney, cardiovascular and liver damage. May cause kidney and liver damage as well as developmental and reproductive toxicity. Prolonged or repeated inhalation of dust may cause lung damage. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Overexposure or misuse of toluene can cause liver, kidney, and brain damage as well as cardiac abnormalities. There have been cases of aplastic anemia from toluene in industrial exposures (ACGIH, 1992). Increased coagulation time and reduced clotting factors have also been found, which are indicators of damage to the bone marrow (Clayton & Clayton, 1994). n-Hexane exposure can cause nerve damage to arms and legs causing numbness of the fingers and toes, effect may be permanent. Symptoms include: loss of memory, loss of intellectual ability and loss of coordination.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact, Inhalation, Eye Contact

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>Acetone</td>
<td>5250 mg/kg mouse</td>
<td>&gt;15688 mg/kg Rabbit</td>
<td>50 mg/L Rat</td>
</tr>
<tr>
<td>110-54-3</td>
<td>n-Hexane</td>
<td>25000 mg/kg Rat</td>
<td>3000 mg/kg Rabbit</td>
<td>&gt; 31.86 mg/L Rat</td>
</tr>
<tr>
<td>68476-86-8</td>
<td>Hydrocarbon Propellant</td>
<td>N.I.</td>
<td>N.I.</td>
<td>1355 mg/L Rat</td>
</tr>
<tr>
<td>25038-32-8</td>
<td>S-i-s block coploymer</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>68003-51-0</td>
<td>Hydrocarbon</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>68527-25-3</td>
<td>Petroleum hydrocarbon resin</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
<td>2600 mg/kg Rat</td>
<td>12000 mg/kg Rabbit</td>
<td>12.5 mg/L Rat</td>
</tr>
<tr>
<td>79-20-9</td>
<td>Methyl acetate</td>
<td>&gt;6482 mg/kg Rat</td>
<td>&gt;5000 mg/kg Rabbit</td>
<td>49.2 mg/L Rabbit</td>
</tr>
</tbody>
</table>

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Ecological injuries are not known or expected under normal use.

13. Disposal Information

DISPOSAL INFORMATION: Residues and spilled material are hazardous waste due to ignitability. Contents under pressure. Dispose of material in accordance with all federal, state and local regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste. Do not flush into surface water or sanitary sewer system. Do not empty into drains. Do not re-use empty containers. The container for this product can present explosion or fire hazards, even when emptied. To avoid risk of injury, do not cut, puncture, or weld on or near this container. Before disposing of containers, relieve container of any remaining product and pressure. Empty cylinders, once relieved of all pressure, can be disposed of as non-hazardous waste.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: NOTE: Review fire hazards before proceeding with clean up. Immediately eliminate sources of ignition. Keep people away from and upwind of spill/leak. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Prevent product from entering drains. Soak up with inert absorbent material and dispose of as hazardous waste. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. Scrape up dried material and place into containers.

14. Transport Information
15. Regulatory Information

SARA SECTION 313:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information

Revision Date: 2/14/2019  Supersedes Date: 10/4/2018
Reason for revision: Substance and/or Product Properties Changed in Section(s):
01 - Product Information
02 - Hazards Identification
05 - Flammability Information
09 - Physical & Chemical Information
11 - Toxicological Information
15 - Regulatory Information
16 - Other Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>3*</td>
<td>1</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

VOC Less Water Less Exempt Solvent, g/L: 497.4
VOC Material, g/L: 307
VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 38.29
VOC Actual, Wt/Wt%: 38.3

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H220   Extremely flammable gas.
H225   Highly flammable liquid and vapour.
H304   May be fatal if swallowed and enters airways.
H315   Causes skin irritation.
H319   Causes serious eye irritation.
H332   Harmful if inhaled.
H335   May cause respiratory irritation.
H336   May cause drowsiness or dizziness.
H373   May cause damage to organs through prolonged or repeated exposure.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:
GHS02

GHS07

GHS08

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.