Material Safety Data Sheet

An RPM Company

24 Hour Emergency Phone Numbers:
Medical/Poison Control:
In U.S.: Call 1-800-222-1222
Outside U.S.: Call your local poison control center
Transportation/National Response Center:
1-800-535-5053
1-352-323-3500

NOTE: The National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

IMPORTANT: Provide this information to employees, customers, and users of this product. Read this MSDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this MSDS are further described in Section 16.

Section 1 - Chemical Product / Company Information

This Material Safety Data Sheet is available in American Spanish upon request.
Los Datos de Serguridad del Producto pueden obtenerse en Espanol si lo riquiere.

Product Name:	WDS DYNAGRIP HD Heavy Duty Construction Adhesive	**Revision Date:**	09/24/2012
Product UPC Number:	070798800588	**Supersedes:**	New
Product Use/Class:	Adhesive	**MSDS Number:**	00010093001
Manufacturer:	**DAP Products Inc.** **2400 Boston Street Suite 200** **Baltimore, MD 21224-4723** **888-327-8477 (non-emergency matters)**		

Section 2 - Hazards Identification

Emergency Overview: A(n) tan paste product with a strong solvent odor. DANGER! Vapors may ignite explosively. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Keep away from heat, sparks and flame. Do not breathe vapors. Use only with adequate ventilation. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. May cause eye, skin, nose, throat and respiratory tract irritation.

Refer to other MSDS sections for other detailed information.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Causes skin irritation. Prolonged and repeated skin contact may cause dermatitis, drying and defatting due to the solvent properties.

Effects Of Overexposure - Inhalation: Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

Effects Of Overexposure - Ingestion: Harmful or fatal if swallowed. If ingested, may cause depressed respiration. Ingestion may result in obstruction when material hardens. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

Effects Of Overexposure - Chronic Hazards: Prolonged or repeated contact with acetone can cause defattening of the skin, which may lead to dermatitis. Prolonged or repeated contact with skin can cause defatting of the skin, which may lead to dermatitis. 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).

Primary Route(s) Of Entry: Skin Contact, Inhalation, Ingestion, Eye Contact

Medical Conditions which May be Aggravated by Exposure: None known.

Carcinogenicity:

CAS No.	Chemical Name	ACGIH	OSHA	IARC	NTP
13463-67-7	Titanium dioxide	Not Listed.	Not Listed.	Possibly carcinogenic to humans.	Not Listed.

Section 3 - Composition / Information On Ingredients

Chemical Name	CASRN	Wt%
Limestone	1317-65-3	10-30
Clay	1332-58-7	10-30
Acetone	67-64-1	10-30
Methyl acetate	79-20-9	10-30
Toluene	108-88-3	7-13
Titanium dioxide	13463-67-7	0.1-1.0

Section 4 - First Aid Measures

First Aid - Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

First Aid - Skin Contact: Remove and wash contaminated clothing. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash thoroughly with soap and water.

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.

First Aid - Ingestion: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Note to Physician: None.

COMMENTS: If over-exposure occurs, call your poison control center at 1-800-222-1222.

Section 5 - Fire Fighting Measures

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Unusual Fire And Explosion Hazards: Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Closed containers may burst if exposed to extreme heat or fire. Vapors can flow along surfaces to a distant ignition source and flash back. Flammable liquid. 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. Material will readily ignite at room temperature. Eliminate sources of

ignition: heat, electrical equipment, sparks and flames. Store away from caustics and oxidizers.

Special Firefighting Procedures: Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wear proper protective equipment as specified in Section 8. Immediately eliminate sources of ignition. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Dike to prevent entering any sewer or waterway. Absorb with suitable chemical absorbent.

Section 7 - Handling And Storage

Handling: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Vapors are heavier than air and will collect in low areas. Check all low areas (basements, sumps, etc.) for vapor before entering. Do not breathe vapors. Use in well ventilated area. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal. Turn off stoves, heaters, electric motors or other sources of ignition during use and until all vapors are gone. Vapors may travel long distances to a source of ignition and flash back.

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: Keep away from heat and sources of ignition. Keep containers closed when not in use. Close container after each use. Keep tightly closed in a dry and cool place. Do not store at temperatures above 120 degrees F. Store containers away from excessive heat and freezing. Store away from caustics and oxidizers.

Section 8 - Exposure Controls / Personal Protection

Chemical Name	CASRN	ACGIH TWA	ACGIH STEL	ACGIH CEIL	OSHA TWA	OSHA STEL	OSHA CEIL	Skin
Limestone	1317-65-3	10 MGM3	N.E.	N.E.	5 MGM3 (respirable fraction)	N.E.	N.E.	No
Clay	1332-58-7	2 MGM3	N.E.	N.E.	5 MGM3	N.E.	N.E.	No
Acetone	67-64-1	500 PPM	750 PPM	N.E.	1000 PPM	N.E.	N.E.	No
Methyl acetate	79-20-9	200 PPM	250 PPM	N.E.	200 PPM	N.E.	N.E.	No
Toluene	108-88-3	20 PPM	N.E.	N.E.	200 PPM	N.E.	300 PPM	Yes
Titanium dioxide	13463-67-7	10 MGM3	N.E.	N.E.	15 MGM3	N.E.	N.E.	No

Precautionary Measures: Contact lenses pose a special hazard; soft lenses may absorb and all lenses concentrate irritants.

Engineering Controls: Vapors are heavier than air and may spread along floors. Check all low areas for presence of vapor. Provide sufficient general and/or local exhaust ventilation to maintain exposure below recommended exposure limit. Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. When concentrations exceed the exposure limits specified, use of a NIOSH approved full facepiece organic vapor cartridge respirator is recommended. Where the protection factor may be exceeded, use of a full facepiece supplied air respirator or Self Contained Breathing Apparatus (SCBA) may be necessary.

Respiratory Protection: 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. 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: Impervious gloves. Wear solvent impervious gloves.

Eye Protection: Goggles or safety glasses with side shields.

Other protective equipment: Provide eyewash and solvent impervious apron if body contact may occur. Safety shower and eyewash station should be located in immediate work area.

Hygienic Practices: Remove and wash contaminated clothing before re-use.

Important: Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); these limits may vary between states.

Note: An employee's skin exposure to substances having a "YES" in the "SKIN" column in the table above shall be prevented or reduced to the extent necessary under the circumstances through the use of gloves, coveralls, goggles or other appropriate personal protective equipment, engineering controls or work practices.

Section 9 - Physical And Chemical Properties

Boiling Range:	Not Established	**Vapor Density:**	Heavier Than Air
Odor:	Strong Solvent	**Odor Threshold:**	Not Established
Color:	Tan	**Evaporation Rate:**	Faster Than n-Butyl Acetate
Solubility in H2O:	Not Established	**Specific Gravity:**	1.16 - 1.16
Freeze Point:	Not Established	**pH:**	Not Applicable
Vapor Pressure:	Not Established	**Viscosity:**	Not Established
Physical State:	Paste	**Flammability:**	Flammable
Flash Point, F:	80	**Method:**	(Pensky-Martens Closed Cup)
Lower Explosive Limit, %:	Not Determined	**Upper Explosive Limit, %:**	Not Determined

When reported, vapor pressure of this product has been calculated theoretically based on its constituent makeup and has not been determined experimentally.

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Excessive heat and freezing.

Incompatibility: Strong acids and oxidizing agents. Strong oxidizers, alkali metals and alkaline earth metals may cause fires or explosions.

Hazardous Decomposition Products: Normal decomposition products, i.e., COx, NOx.

Hazardous Polymerization: Hazardous polymerization will not occur under normal conditions.

Stability: Stable under recommended storage conditions.

Section 11 - Toxicological Information

Product LD50: Not Established **Product LC50:** Not Established

CASRN	Chemical Name	LD50	LC50
67-64-1	Acetone	----------	Rat:50100 mg/m3/8H
79-20-9	Methyl acetate	Oral Rabbit: 3,705 mg/kg	----------
108-88-3	Toluene	----------	Rat:49 gm/m3/4H

Significant Data with Possible Relevance to Humans: None.

Section 12 - Ecological Information

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

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance with all federal, state and local regulations. After recovery of solvent dispose of by special waste incineration in compliance with the Environment Protection Act 1990 (Process Guidance Note IPR5/1). 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. Liquids cannot be disposed of in a landfill. Do not re-use empty containers.

EPA Waste Code if Discarded (40 CFR Section 261): D001

Section 14 - Transportation Information

DOT Proper Shipping Name:	Adhesives, containing a flammable liquid	**Packing Group:**	III
DOT Technical Name:	N.A.	**Hazard Subclass:**	N.A.
DOT Hazard Class:	3 Flammable liquid	**DOT UN/NA Number:**	UN1133

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard, Chronic Health Hazard, Fire Hazard

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:

Chemical Name	CAS Number
Toluene	108-88-3

Toxic Substances Control Act:

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

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

Chemical Name	CAS Number
Methyl acetate	79-20-9

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product:

Chemical Name	CAS Number
Hydrocarbons, C9 unsaturated, polymerize	Proprietary
Butadiene-styrene copolymer	Proprietary
block copolymer of 1,3-butadiene-styrene	106107-54-4

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%:

Chemical Name	CAS Number
Hydrocarbons, C9 unsaturated, polymerize	Proprietary
Butadiene-styrene copolymer	Proprietary
block copolymer of 1,3-butadiene-styrene	106107-54-4

California Proposition 65:

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16 - Other Information

HMIS Ratings:

Health: 2 Flammability: 3 Reactivity: 0 Personal Protection: X

Volatile Organic Compounds (VOC), less water less exempts: g/L: 193.2 lb/gal: 1.61 wt:wt%: 10.5

Volatile Organic Compounds (VOC), less water less exempts, less LVP-VOCs: wt:wt%: 10.5

REASON FOR REVISION: Periodic Update

Legend:

N.A. – Not Applicable
N.E. – Not Established
N.D. – Not Determined
VOC – Volatile Organic Compound
PEL – Permissible Exposure Limit
TLV – Threshold Limit Value
CEIL – Ceiling Exposure Limit
LD50 – Lethal Dose 50
F – Degree Fahrenheit
C – Degree Celsius

ACGIH – American Conference of Governmental Industrial Hygienists
SARA – Superfund Amendments and Reauthorization Act of 1986
NJRTK – New Jersey Right-to-Know Law
OSHA – Occupational Safety and Health Administration
HMIS – Hazardous Materials Identification System
NTP – National Toxicology Program
STEL – Short Term Exposure Limit
LC50 – Lethal Concentration 50
MSDS – Material Safety Data Sheet
CASRN – The Chemical Abstracts Service Registry Number

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.

<End of MSDS>