

COMMERCIALON PREMIUM CARPET ADHESIVE																					
Page 1 of 7																					
1.	<p>Material / Preparation and Company Designation</p> <p>Manufactured exclusively for: J&J Flooring Group 818 J&J Drive Dalton GA 30721</p> <p>Manufactured by: XL Brands LLC 198 Nexus Drive Dalton GA 30721</p> <p>Emergency phone USA (CHEMTREC): 800-424-9300 (CHEMTREC INTERNATIONAL): 703-527-3887</p> <p>Industrial Health/Spill Emergency: 800-424-9300 (Chemtrec) Information phone: 706-529-2100</p> <p>Date Printed: 09/23/2013 Date Revised: N/A Supersedes: N/A</p> <p>Usage: Industrial</p>																				
2.	<p>List / Data of Components</p> <p>Information on hazardous ingredients: No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and/or 40 CFR 372 are present.</p> <table border="0"> <tr> <td>Chemical name:</td> <td>Aqueous Adhesive</td> <td>%w/w</td> <td></td> </tr> <tr> <td>Product code:</td> <td>N/A</td> <td>Hazard symbol:</td> <td>N/A</td> </tr> <tr> <td>CAS-no.:</td> <td>Mixture</td> <td>H-phrases:</td> <td>N/A</td> </tr> <tr> <td>EC-no.:</td> <td>N/A</td> <td>P-phrases:</td> <td>P273</td> </tr> <tr> <td>Formula:</td> <td colspan="3">No information available</td> </tr> </table> <p>See section 16 for the full text of the Hazard symbols and phrases.</p>	Chemical name:	Aqueous Adhesive	%w/w		Product code:	N/A	Hazard symbol:	N/A	CAS-no.:	Mixture	H-phrases:	N/A	EC-no.:	N/A	P-phrases:	P273	Formula:	No information available		
Chemical name:	Aqueous Adhesive	%w/w																			
Product code:	N/A	Hazard symbol:	N/A																		
CAS-no.:	Mixture	H-phrases:	N/A																		
EC-no.:	N/A	P-phrases:	P273																		
Formula:	No information available																				
3.	<p>Possible Hazards</p> <p>May cause irritation of the skin and eyes. May be an inhalation and ingestion hazard. This product is not for human consumption.</p>																				

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4. First Aid Measures

Inhalation: If affected, remove to fresh air and consult medical attention from a healthcare professional.

Skin Contact: Wash with soap and water.

Eye Contact: Flash eyes immediately with plenty of water for 15 minutes, including upper and lower eyelids. Washing eyes within one minute is essential to achieve maximum effectiveness. Remove contact lenses after the first 5 minutes. Obtain medical attention from a healthcare professional if irritation persists.

Ingestion: Never give anything by mouth if victim is unconscious or having convulsions; seek medical attention from a healthcare professional. Do not induce vomiting unless directed to do so by medical personnel.

5. Measures in Case of Fire

Suitable extinguishing media: Chemical Foam, CO₂, Water Fog

Hazardous decomposition/combustion products: Thermal decomposition should produce only normal Hydrocarbon combustion products. Products of thermal decomposition may be harmful.

Special protective equipment for fire fighters: None; this product is non-flammable in aqueous form (as supplied).

Other information: None known; non-combustible and non-explosive as supplied. If ignited by excessive heat or open flame, this product will burn. Burning material may emit toxic fumes. Fire fighters should wear NIOSH-approved self-contained breathing apparatus with full face piece, operated in positive pressure mode. Wear full firefighting protective clothing. Use water fog to cool containers exposed to extreme heat.

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6.	<p>Accidental Release Procedures Page 3 of 7</p> <p>Personal precautions: Use caution to avoid slipping in wet adhesive.</p> <p>Environmental precautions: Dike and contain spill for possible recovery and to prevent from entering waterways.</p> <p>Methods for cleaning/taking up: Recover as much as possible; wash floors afterwards with water. Smaller spills may be wiped from surfaces or absorbed onto inert material and handled as solid waste. Do not allow material into sewers, on the ground or into any body of water. Must be disposed of in accordance with all local, state, federal and international regulations.</p>
7.	<p>Handling and Storage</p> <p>Adhere to work practice rules established by government regulations (e.g. OSHA)</p> <p>Advice on protection against fire and explosion: None known.</p> <p>Storage requirements: Use reasonable care to avoid skin and eye contact. Keep containers closed when not in use. Protect containers against physical damage. Store in a cool (4°- 43°C/43° -110°F), dry, well-ventilated area inside. Do not allow product to freeze.</p>
8.	<p>Engineering Controls</p> <p>Exposure limits: No information available. Consult local authorities for acceptable exposure limits.</p> <p>Personal protection: None necessary under normal conditions (adequate ventilation). Recommended local exhaust.</p> <p>Hand protection: None needed under normal conditions. If contact is expected, wear impervious gloves.</p> <p>Eye protection: If splashing is likely, wear safety glasses.</p> <p>Skin and body: None needed under normal use conditions. Use reasonable care to avoid contact.</p>



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9. Physical and Chemical Data

Form:	Water-based, viscous liquid
Color:	Tan
Odor:	Mild, characteristic
Boiling point/range:	100°C/212° F
Melting Point/range:	No information available
Flash point:	No flash
Flammability:	No information available
Autoignition temperatures:	No information available
Explosion limits:	N/A
Vapor pressure:	N/A
Weight per Gallon	9.5 typical
Solubility in water:	Insoluble
Solubility in other solvents:	No information available
pH:	9.0 - 10.0
Partition coefficient:	No information available
n-octanol/water:	No information available

10. Stability and Reactivity Data

Conditions to avoid:	Stable. Avoid freezing. Hazardous polymerization will not occur.
Materials to avoid:	None known.
Hazardous decomposition products:	Thermal decomposition should produce only normal hydrocarbon combustion products. Products of thermal decomposition may be harmful.

11. Toxicological Properties

Acute Toxicity data:	Oral LD50:	No information available
	Dermal LD50:	No information available
	Inhalation LC50:	No information available
Irritation:	Skin:	Irritant
	Eye:	Irritant
Sensitization:	Sensitization:	No information available
	Genotoxicity:	No information available
Other toxicological information:		No information available



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12. Ecological Properties	
Fish:	No information available
Daphnia:	No information available
Algae:	96h-EC50 (Cell count): No information available.
13. Disposal Conditions	
Product:	Do not allow material into sewers, on the ground or into any body of water. Must be disposed of in accordance with all local, state, federal and international regulations.
Packaging:	No information available
Waste code number:	Please refer to your specific industry in the European Waste catalog.
14. Transport Information	
Not regulated	
Land transport ADR/RID and GGVS/GGVE	
ADR Class:	ADR/RID packing group:
RID Class:	
Hazard identification:	Substance identification no.:
Proper shipping name:	UN no.:
Marine transport IMDG/GGV See	
IMDG-code class:	Packing group:
	UN no.:
EMS:	Subsidiary risk:
Marine Pollutant:	
Proper shipping name:	
Air transport ICAO-TI and IATA-DGR	
Class:	UN no.:
Packing group:	
Proper shipping name:	





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15. Regulations

This section is not meant to be all-inclusive; selected regulations are represented.

SARA 313 SECTION OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

This product does not contain substance(s) which require reporting under this statute.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA, OR SUPERFUND):

This product does not contain substance(s) listed as "Hazardous Substance" under this statute.

STATE REGULATIONS:

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product may contain trace levels of a component or components known to the state of California to cause cancer and/or reproductive toxicity. This warning is provided in the absence of definitive testing to prove that these risks do not exist.

CHEMICAL INVENTORY:

United States- All components of this product are on the Toxic Substance control act (TSCA) inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Labeling in accordance with EC directives / German regulations

Labeling:

EC-no.: N/A

Symbols: N/A

R-phrases: N/A

S-phrases: S61

Water hazardous class (Germany)(WGK): Product contains a component that is Class 1, #4183 (slightly water endangering)

See section 16 for the full text of the Hazard Symbols and Phrases.



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16. Other Information:

Hazardous Material Identification System (HMIS) rating/codes:

Health-1 Flammability-0 Reactivity-0 Protective Equipment-B (safety eyewear, gloves)

HMIS uses a numbering scale ranging from 0 - 4 to indicate the degree of hazard.

Values: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Extreme

An asterisk(*) indicates chronic health hazards are associated with the chemical.

The proper protective equipment is identified with a letter corresponding to equipment listed after in parentheses.

Legend:

P273- Avoid release to the environment.

S61- Do not release product to the environment.

Do not handle until the Manufacturer's Safety Precautions have been read and understood. This data is up to the current level of our knowledge and experience. The safety data sheet is only intended to give a description of products with regard to safety requirements. However, it is not to be taken as a warranty or representation for which J&J Flooring Group assumes legal responsibility. Any use of this information and data must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : **Henry® 430 ClearPro™ Clear VCT Floor Adhesive**
Product Code : 70010432
Trade Name/Synonyms : Henry 430
Recommended Use : Adhesive for installing Vinyl Composition Tile (VCT).
Uses Advised Against : No information available.

Manufacturer's name and address:

HENRY

The W.W. Henry Company
400 Ardex Park Drive
Aliquippa, PA 15001 USA

Information Telephone No. : (800) 232-4832 or (724) 203-8000
Website Address : <http://www.wwhenry.com>
24 Hr Emergency Telephone # : **CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)**

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)
Not classified as hazardous.

GHS Pictograms

None.

Signal Word

None.

Hazard Statements

None.

Safe Handling Instructions:

Avoid eye and skin contact. It is recommended to use safety glasses and gloves during handling. During installation process, adequate ventilation of the work area should be maintained. Although the adhesive is low VOC, persons who are sensitive to odors or chemicals should avoid the work area during installation. Keep container closed.

During normal usage of the product as recommended, airborne dusts and mists will not be present. See Section 7 (Handling and Storage) for further details.

Hazards Not Otherwise Classified

None.

% With Unknown Acute Toxicity : Less than 1% by weight of this product is comprised of ingredients with unknown acute toxicity.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (by weight)
No hazardous ingredients	N/Ap	100

SECTION 4 – FIRST AID MEASURES

- General** : Call a doctor if you feel unwell.
- Inhalation** : If a worker develops breathing problems while working with this material, remove the worker to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Wash with plenty of soap and water. If irritations or symptoms develop, seek medical attention/advice.
- Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
- Ingestion** : Rinse mouth. Do NOT induce vomiting. Call a doctor/physician if you feel unwell.
- Notes for Physician** : Treat symptomatically.

Signs and symptoms of short-term (acute) exposure

- Inhalation* : None known.
- Skin* : Symptoms may include mild redness or itching.
- Eyes* : Symptoms may include mild redness, itching, or pain.
- Ingestion* : None known.

Effects of long-term (chronic) exposure

- : None known.

Indication of need for immediate medical attention or special treatment

- : Difficulty breathing persists after removing the person to fresh air.
Any exposure to the eye which causes irritation.

SECTION 5 – FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Carbon dioxide, dry chemical powder, alcohol foam or water spray.
- Unsuitable extinguishing media** : Water jet may spread the burning material.
- Hazardous combustion products** : Carbon monoxide, carbon dioxide, as well as other toxic vapors and gases which are common to thermal degradation of organic compounds.

Special fire-fighting procedures/equipment

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

- Environmental precautions** : Do not allow material to enter drains or contaminate ground water system.

Fire hazards/conditions of flammability

- : Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.1200, WHMIS 2015)

- : Not flammable.

NFPA Rating

- : 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 Flammability 1 Instability 0 Special Hazards: None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment.
- Protective equipment** : Refer to Section 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

- Emergency Procedures** : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).
US CERCLA Reportable quantity (RQ): None reported.

- Methods and materials for containment and cleaning up** : Ventilate area of release. Stop spill or leak at source if safely possible. Contain product with inert absorbent material, preventing it from entering sewer lines or waterways. Gather up spilled material and place in suitable container for later disposal (see Section 13). Residual of product, while still wet, can be cleaned up with warm soapy water. Notify the appropriate authorities as required.

- Prohibited materials** : None known.
Environmental precautions : Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system.
Reference to other sections : See Section 13 for disposal information.

SECTION 7 – HANDLING AND STORAGE

- Safe handling procedures** : Wear suitable protective equipment during handling. (See Section 8.) Observe good hygiene standards. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes, skin, or clothing. Sanding and grinding dusts may be harmful if inhaled. When removing this product from existing flooring (i.e. during a renovation), wear safety goggles and respiratory protection from dust due to blasting, chipping, or mechanically pulverizing. Keep container tightly closed.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from heat and open flame. Avoid storing in direct sunlight. Store in original container. Keep tightly closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.
- Incompatible materials** : See Section 10.
Special packaging materials : Always keep in containers made of the same materials as the supply container.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Permissible Exposure Limits** : No exposure limits have been established for the product itself. Below are exposure limits for the components in the product.

Ingredients	CAS #	ACGIH TLV		OSHA PEL	
		TWA	STEL	PEL	STEL
No hazardous ingredients	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap

- Engineering Controls** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any vapor generated from the handling of this product.
- Personal Protection Equipment**
- Eye / face protection** : Chemical goggles or safety glasses, as appropriate for the job.
 - Skin protection** : Wear gloves which are impervious to the material. Materials such as nitrile rubber or Viton (fluorocarbon rubber) are recommended.
 - Body protection** : Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.
 - Respiratory protection** : Under normal conditions of use with adequate ventilation, respiratory protection should not be necessary. If work process generates excessive quantities of vapor or dust, or exposures in excess of any PEL, wear an appropriate organic vapor respirator.
- Site safety equipment** : An eyewash station and safety shower should be made available in the immediate working area.
- General hygiene considerations** : Avoid contact with eyes, skin and clothing. Avoid breathing vapors/dust. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands thoroughly. Remove soiled clothing and wash it thoroughly before reuse. Clean all equipment and clothing at end of each work shift.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Paste	Appearance	: Beige paste
Odor	: Mild	Odor threshold	: N/Av
pH	: 8.5 – 9.5	Specific gravity	: 1.045
Boiling point	: 212°F (100°C)	Coefficient of water/oil distribution	: N/Av
Melting/Freezing point	: N/Av	Solubility in water	: Miscible
Vapor pressure (mm Hg @ 20°C / 68°F)	: N/Av	Evaporation rate (<i>n</i> -Butyl acetate = 1)	: N/Av
Vapor density (Air = 1)	: N/Av	Volatiles (% by weight)	: Approximately 53 – 55%
Volatile organic compounds (VOCs)	: 0 g/L SCAQMD 1168		
Particle size	: N/Av	Flammability classification	: Not flammable
Flash point	: >93.3°C (>200°F)	Lower flammable limit (% by vol)	: Not available
Flash point method	: Setaflash closed	Upper flammable limit (% by vol)	: Not available
Auto-ignition temperature	: N/Av	Decomposition temperature	: Not available
Viscosity	: 25,000 cSt	Oxidizing properties	: Not available
Explosion data: Sensitivity to mechanical impact / static discharge			
: Not expected to be sensitive to mechanical impact or static discharge.			

SECTION 10 – REACTIVITY AND STABILITY INFORMATION

Reactivity	: Not reactive.
Stability	: Stable under the recommended storage and handling conditions prescribed.
Hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Extreme heat.
Materials to avoid and incompatibility	: Strong oxidizing agents.
Hazardous decomposition products	: None known, refer to hazardous combustion products in Section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of exposure	: <i>Inhalation</i> : YES	: <i>Skin Absorption</i> : NO	: <i>Skin and Eyes</i> : Yes	: <i>Ingestion</i> : YES
Symptoms of exposure	: See Section 4.			
Calculated Acute Toxicity Estimates for the Product				
<i>Inhalation</i>	: > 40 mg/L			
<i>Oral</i>	: > 4000 mg/kg			
<i>Dermal</i>	: > 4000 mg/kg			
Toxicological data	: There are no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.			

Ingredients	LC50 (4 hr)	LD50	
	Inhalation, rat	Oral, rat	Dermal, rabbit
No hazardous ingredients.	N/Av	N/Av	N/Av

Skin corrosion or irritation	: May cause mild irritation to skin.
Serious eye damage / eye irritation	: May cause mild, temporary irritation to eyes.
Respiratory or skin sensitization	: None known.
Germ cell mutagenicity	: None known.
Carcinogenic status	: No components are classified as carcinogenic by IARC, ACGIH, NTP, and OSHA.
Reproductive toxicity	: None known.
Specific Target Organ Toxicity, Single Exposure	: None known.

Specific Target Organ Toxicity, Repeated Exposure

: None known.

Aspiration hazard

: None known.

Additional information

: N/Av

SECTION 12 – ECOLOGICAL INFORMATION

Environmental effects : The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Ecotoxicity : No data available.

Biodegradability : No data available.

Bioaccumulative potential : No data available.

Mobility in soil : No data available.

PBT and vPvB assessment : No data available.

Other adverse effects : No data available.

SECTION 13 – DISPOSAL CONSIDERATION

Handling for disposal : Handle waste according to recommendations in Section 7.

Methods of disposal : You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Packaging : Handle contaminated packaging in the same manner as the product.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 – TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	This product is not regulated according to Canadian TDG regulations.	None	None	None
TDG Additional Information	None				
49 CFR/DOT	None	This product is not regulated according to US DOT regulations.	None	None	None
49 CFR/DOT Additional Information	None				

IATA : Not regulated for Air Transport

IMDG : Not regulated for Ocean Transport

SECTION 15 – REGULATORY INFORMATION

Canadian Information:

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients appear on the Domestic Substances List (DSL).

US Federal Information:

TSCA: All ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Not Hazardous.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above *de minimus* concentrations.

U.S. State Right To Know Laws

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other State Right to Know Laws: Not applicable.

SECTION 16 – OTHER INFORMATION

HMIS Rating : * - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
Health: 1 Flammability 1 Physical Hazard: 0 PPE: Gloves, safety glasses

Legend : ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
DOT: Department of Transportation
DSL: Domestic Substances List
EPA: Environmental Protection Agency
GHS: Globally Harmonized System
HPR: Hazardous Products Regulations
IARC: International Agency for Research on Cancer
Inh: Inhalation
N/Av: Not Available
N/Ap: Not Applicable
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

Disclaimer of Liability

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

No warranty of any kind is given or implied. The W.W. Henry Company will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

Prepared By:
The W.W. Henry Company
400 Ardex Park Drive

Henry® 430 ClearPro™ Clear VCT Floor Adhesive
01-Mar-2015

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Aliquippa, PA, U.S.A.
15001

(724) 203-8000
Visit our Website: <http://www.wwhenry.com>

Revision date: : 01-Mar-2015

End of Document



Armstrong S-515 Clear Thin Spread Floor Tile Adhesive
04-Mar-2015

Armstrong World Industries
2500 Columbia Ave.
Lancaster, PA USA 17603
Telephone: (800) 233-3823
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SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : **S-515 Clear Thin Spread Floor Tile Adhesive**
 Product Code : 70010433
 Trade Name/Synonyms : S-515
 Recommended Use : Adhesive for installing Vinyl Composition Tile (VCT).
 Uses Advised Against : No information available.

Supplier's name and address:

Armstrong World Industries, Inc.
2500 Columbia Ave.
Lancaster, PA, USA 17603

Information Telephone No. : (800) 233-3823
 Website Address : <http://www.floorexpert.com>
 24 Hr Emergency Telephone # : CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)

Not classified as hazardous.

GHS Pictograms

None.

Signal Word

None.

Hazard Statements

None.

Safe Handling Instructions:

Avoid eye and skin contact. It is recommended to use safety glasses and gloves during handling. During installation process, adequate ventilation of the work area should be maintained. Although the adhesive is low VOC, persons who are sensitive to odors or chemicals should avoid the work area during installation. Keep container closed.

Hazards Not Otherwise Classified

None.

Unknown Toxicity

None.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (by weight)
No hazardous ingredients	N/Ap	100

SECTION 4 – FIRST AID MEASURES

General : Call a doctor if you feel unwell.
Inhalation : If a worker develops breathing problems while working with this material, remove the worker to fresh air and keep at rest in a position comfortable for breathing.
Skin contact : Wash with plenty of soap and water. If irritations or symptoms develop, seek medical attention/advice.



Armstrong S-515 Clear Thin Spread Floor Tile Adhesive
04-Mar-2015

Armstrong World Industries
2500 Columbia Ave.
Lancaster, PA USA 17603
Telephone: (800) 233-3823
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Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Ingestion : Rinse mouth. Do NOT induce vomiting. Call a doctor/physician if you feel unwell.

Notes for Physician : Treat symptomatically.

Signs and symptoms of short-term (acute) exposure

Inhalation : None known.

Skin : Symptoms may include mild redness or itching.

Eyes : Symptoms may include mild redness, itching, or pain.

Ingestion : None known.

Effects of long-term (chronic) exposure

: None known.

Indication of need for immediate medical attention or special treatment

: Difficulty breathing persists after removing the person to fresh air.
Any exposure to the eye which causes irritation.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide, dry chemical powder, alcohol foam or water spray.

Unsuitable extinguishing media : Water jet may spread the burning material.

Hazardous combustion products : Carbon monoxide, carbon dioxide, as well as other toxic vapors and gases which are common to thermal degradation of organic compounds.

Special fire-fighting procedures/equipment

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. After fires have been extinguished, carefully clean all equipment and surfaces exposed to fumes.

Environmental precautions : Do not allow material to enter drains or contaminate ground water system.

Fire hazards/conditions of flammability

: Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.1200, WHMIS 2015)

: Not flammable.

NFPA Rating

: 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 Flammability 1 Instability 0 Special Hazards: None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions : Restrict access to area until completion of clean-up. All persons dealing with clean-up should wear the appropriate chemically protective equipment.

Protective equipment : Refer to Section 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Emergency Procedures : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

US CERCLA Reportable quantity (RQ): None reported.

Methods and materials for containment and cleaning up

: Ventilate area of release. Stop spill or leak at source if safely possible. Contain product with inert absorbent material, preventing it from entering sewer lines or waterways. Gather up spilled material and place in suitable container for later



disposal (see Section 13). Residual of product, while still wet, can be cleaned up with warm soapy water. Notify the appropriate authorities as required.

- Prohibited materials** : None known.
- Environmental precautions** : Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system.
- Reference to other sections** : See Section 14 for disposal information.

SECTION 7 – HANDLING AND STORAGE

- Safe handling procedures** : Wear suitable protective equipment during handling. (See Section 8.) Observe good hygiene standards. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes, skin, or clothing. Keep container tightly closed.
- Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from heat and open flame. Avoid storing in direct sunlight. Store in original container. Keep tightly closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.
- Incompatible materials** : See Section 10.
- Special packaging materials** : Always keep in containers made of the same materials as the supply container.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Permissible Exposure Limits** : No exposure limits have been established for the product itself. Below are exposure limits for the components in the product.

Ingredients	CAS #	ACGIH TLV		OSHA PEL	
		TWA	STEL	PEL	STEL
No hazardous ingredients	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap

- Engineering Controls** : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any vapor generated from the handling of this product.
- Personal Protection Equipment**
 - Eye / face protection** : Chemical goggles or safety glasses, as appropriate for the job.
 - Skin protection** : Wear gloves which are impervious to the material. Materials such as nitrile rubber or Viton (fluorocarbon rubber) are recommended.
 - Body protection** : Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.
 - Respiratory protection** : Under normal conditions of use with adequate ventilation, respiratory protection should not be necessary. If work process generates excessive quantities of vapor or dust, or exposures in excess of any PEL, wear an appropriate organic vapor respirator.
- Site safety equipment** : An eyewash station and safety shower should be made available in the immediate working area.
- General hygiene considerations** : Avoid contact with eyes, skin and clothing. Avoid breathing vapors/dust. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands thoroughly. Remove soiled clothing and wash it thoroughly before reuse. Clean all equipment and clothing at end of each work shift.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|-------------------------------|-----------------|----------------------------------------------|---------------|
| Physical state | : Paste | Appearance | : Beige paste |
| Odor | : Mild | Odor threshold | : N/Av |
| pH | : 8.5 – 9.5 | Specific gravity | : 1.045 |
| Boiling point | : 212°F (100°C) | Coefficient of water/oil distribution | : N/Av |
| Melting/Freezing point | : N/Av | Solubility in water | : Miscible |



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Vapor pressure (mm Hg @ 20°C / 68°F) : N/Av Evaporation rate (*n*-Butyl acetate = 1) : N/Av
 Vapor density (Air = 1) : N/Av Volatiles (% by weight) : Approximately 53 – 55%
 Volatile organic compounds (VOCs) : 0 g/L SCAQMD 1168
 Particle size : N/Av Flammability classification : Not flammable
 Flash point : >93.3°C (>200°F) Lower flammable limit (% by vol) : Not available
 Flash point method : Setaflash closed Upper flammable limit (% by vol) : Not available
 Auto-ignition temperature : N/Av Decomposition temperature : Not available
 Viscosity : 25,000 cSt Oxidizing properties : Not available
 Explosion data: Sensitivity to mechanical impact / static discharge
 : Not expected to be sensitive to mechanical impact or static discharge.

SECTION 10 – REACTIVITY AND STABILITY INFORMATION

Reactivity : Not reactive.
 Stability : Stable under the recommended storage and handling conditions prescribed.
 Hazardous reactions : Hazardous polymerization does not occur.
 Conditions to avoid : Extreme heat.
 Materials to avoid and incompatibility : Strong oxidizing agents.
 Hazardous decomposition products : None known, refer to hazardous combustion products in Section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of exposure : Inhalation: YES Skin Absorption: NO Skin and Eyes: Yes Ingestion: YES
 Symptoms of exposure : See Section 4.
 Calculated Acute Toxicity Estimates for the Product
 Inhalation : > 50 mg/L
 Oral : > 10000 mg/kg
 Dermal : > 10000 mg/kg
 Toxicological data : See below for individual ingredient acute toxicity data.

Ingredients	LC50 (4 hr)		LD50	
	Inhalation, rat	Oral, rat	Dermal, rabbit	
No hazardous ingredients.	N/Av	N/Av	N/Av	

Skin corrosion or irritation : May cause mild irritation to skin.
 Serious eye damage / eye irritation : May cause mild, temporary irritation to eyes.
 Respiratory or skin sensitization : None known.
 Germ cell mutagenicity : None known.
 Carcinogenic status : No components are classified as carcinogenic by IARC, ACGIH, NTP, and OSHA.
 Reproductive toxicity : None known.
 Specific Target Organ Toxicity, Single Exposure : None known.
 Specific Target Organ Toxicity, Repeated Exposure : None known.
 Aspiration hazard : None known.
 Additional information : N/Av

SECTION 12 – ECOLOGICAL INFORMATION



- Environmental effects** : The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
- Ecotoxicity** : No data available.
 - Biodegradability** : No data available.
 - Bioaccumulative potential** : No data available.
 - Mobility in soil** : No data available.
 - PBT and vPvB assessment** : No data available.
 - Other adverse effects** : No data available.

SECTION 13 – DISPOSAL CONSIDERATION

- Handling for disposal** : Handle waste according to recommendations in Section 7.
- Methods of disposal** : You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- Packaging** : Handle contaminated packaging in the same manner as the product.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 – TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	This product is not regulated according to Canadian TDG regulations.	None	None	None
TDG Additional Information	None				
49 CFR/DOT	None	This product is not regulated according to US DOT regulations.	None	None	None
49 CFR/DOT Additional Information	None				

IATA : Not regulated for Air Transport

IMDG : Not regulated for Ocean Transport

SECTION 15 – REGULATORY INFORMATION

Canadian Information:

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non- Domestic Substances List (NDSL).

US Federal Information:

TSCA: All ingredients appear on the Toxic Substances Control Act (TSCA) inventory.



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CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Not Hazardous.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above *de minimus* concentrations.

U.S. State Right To Know Laws

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other State Right to Know Laws: Not applicable.

SECTION 16 – OTHER INFORMATION

HMIS Rating : * - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
Health: 1 Flammability 1 Physical Hazard: 0 PPE: Gloves, safety glasses

Legend : ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
DOT: Department of Transportation
DSL: Domestic Substances List
EPA: Environmental Protection Agency
GHS: Globally Harmonized System
HPR: Hazardous Products Regulations
IARC: International Agency for Research on Cancer
Inh: Inhalation
N/Av: Not Available
N/Ap: Not Applicable
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

Disclaimer of Liability

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

No warranty of any kind is given or implied. Armstrong World Industries, Inc. will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

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Visit our Website: <http://www.floorexpert.com>

Revision date: : 04-Mar-2015

End of Document



EUCLID CHEMICAL

Version: 1.0
Revision Date: 07/30/2015

SAFETY DATA SHEET

1. Identification

Material name: SPEED PLUG- 50# Bag (USE PAIL)

Material: TR5113650

Recommended use and restriction on use

Recommended use: Cement, Portland, chemicals

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

EUCLID CHEMICAL COMPANY
19218 REDWOOD ROAD
CLEVELAND OH 44110
US

Contact person:

Telephone:

Emergency telephone number:

EH&S Department

216-531-9222

1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Inhalation - dust and mist)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1B
Carcinogenicity	Category 1A
Specific Target Organ Toxicity - Single Exposure	Category 3

Unknown toxicity - Health

Acute toxicity, oral	58.96 %
Acute toxicity, dermal	59.69 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	63.6 %

Unknown toxicity - Environment

Acute hazards to the aquatic environment	99.27 %
Chronic hazards to the aquatic environment	100 %

Label Elements

Hazard Symbol:



EUCLID CHEMICAL

Version: 1.0
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Signal Word: Danger

Hazard Statement: Harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
May cause cancer.
May cause respiratory irritation.

Precautionary Statement:
Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Immediately call a POISON CENTER/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse.

Storage:

Store locked up. Store in well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification:

None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
**	**	30 - 60%
Portland cement	65997-15-1	30 - 60%
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	15 - 40%
Calcium salt	7778-18-9	0.5 - 1.5%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information:

** A specific chemical identity and/or percentage of composition has been



withheld as a trade secret.

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor/...if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed

Symptoms:	Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Extreme irritation of eyes and mucous membranes, including burning and tearing. Respiratory tract irritation.
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Indication of immediate medical attention and special treatment needed

Treatment:	Symptoms may be delayed.
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5. Fire-fighting measures

General Fire Hazards:	No unusual fire or explosion hazards noted.
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Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
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Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
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Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
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Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
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Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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6. Accidental release measures