



MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Information

Manufacturer: Hamilton Drywall Products Phone Number: 1-800-871-4998
 295 N. Pekin Road Fax Number: 1-800-871-5007
 Woodland, WA, 98674 24-hour Emergency: Chemtrec 1-800-424-9300

Product Use: Drywall Joint Compounds

Quick Identifier Common Name (on label / list)	Product Code	Packaging	UPC Code	Quick Identifier Common Name (on label / list)	Product Code	Packaging	UPC Code
All-Purpose Joint Compound	18040	46 lb box	895900000034	Light Weight Taping	18205	3.5 gal box	895900000027
All-Purpose Joint Compound	18040H	46 lb box	895900000034	Light Weight Taping	18205H	3.5 gal box	895900000027
All-Purpose Joint Compound	18040EX	46 lb box	895900000034	Light Weight Taping	18205W	3.5 gal box	895900000027
Taping Joint Compound	18200	46 lb box	895900000010	Light Weight Topping	18250	3.5 gal box	895900000119
Taping Joint Compound	18200EX	46 lb box	895900000010	Light Weight Topping	18250H	3.5 gal box	895900000119
Taping Joint Compound	18200H	46 lb box	895900000010	Light Weight Topping	18250EX	3.5 gal box	895900000119
Topping Joint Compound	18220	48 lb box	895900000102	TNT Lite Taping & Topping	18195	3.5 gal box	895900000089
Topping Joint Compound	18220EX	48 lb box	895900000102	TNT Lite Taping & Topping	18195EX	3.5 gal box	895900000089
Topping Joint Compound	18220H	48 lb box	895900000102	All-Purpose Joint Compound	18720	62 lb pail	895900000232
Topping Joint Compound-tinted	18230EX	48 lb box	895900000102	All-Purpose Joint Compound	18720H	62 lb pail	895900000232
Sof Top Joint Compound	18360	48 lb box	895900000096	All-Purpose Joint Compound	18720EX	62 lb pail	895900000232
Sof Top Joint Compound	18360EX	48 lb box	895900000096	All-Purpose Joint Compound	18680	12 lb pail	895900000249
TNT Taping & Topping	18180	45 lb box	895900000058	All-Purpose Joint Compound	18680H	12 lb pail	895900000249
TNT Taping & Topping	18180EX	45 lb box	895900000058	All-Purpose Joint Compound	18680EX	12 lb pail	895900000249
TNT White Dot	18100	45 lb box	895900000058	Hi-Lite Joint Compound	18800	4.76 gal pail	895900000270
TNT Taping & Topping - Knez	18185	45 lb box	895900000065	Hi-Lite Joint Compound	18800EX	4.76 gal pail	895900000270
Hi-Lite Joint Compound	18380	3.5 gal box	895900000072	TNT Lite Taping & Topping	18820	15 liter pail	895900000287
Hi-Lite Joint Compound	18380EX	3.5 gal box	895900000072	TNT Lite Taping & Topping	18820EX	15 liter pail	895900000287
Light Weight All Purpose	18045	3.5 gal box	895900000041	Topping Joint Compound	18760	62 lb pail	895900000300
Light Weight All Purpose	18045W	3.5 gal box	895900000041	Topping Joint Compound	18760EX	62 lb pail	895900000300
Light Weight All Purpose	18045H	3.5 gal box	895900000041	Topping - tinted	18780	62 lb pail	895900000294
Light Weight All Purpose	18045EX	3.5 gal box	895900000041	Topping - tinted	18780EX	62 lb pail	895900000294
Super-Lite All Purpose	18080	3.5 gal box	895900000256	Super-Lite All Purpose	18080H	3.5 gal box	895900000256

Section 2: Hazards Identification

Preparation Hazards and Classification: This product is hazardous material as defined by 29 CFR 1910.1200, OSHA Hazard Communication Evaluation.

Appearance, Color and Odor: Semi-solid paste with mild characteristic odor.

Primary Route(s) of Exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects: ACUTE (short term): see Section 8 for exposure controls.

Inhalation: High concentrations of dust may cause irritation of the upper respiratory tract with symptoms such as coughing, sneezing, and shortness of breath.

Ingestion: Not an expected route of occupational exposure. If ingestion does occur, mild temporary stomach discomfort may result.

Skin: May cause slight irritation.

Eyes: May cause irritation as a foreign object in the eye. Tearing, blinking, and mild temporary pain may result as the material is rinsed from the eye by tears.



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Potential Health Effects:

CHRONIC (long term): see Section 11 for additional toxicological data..

In general, long-term exposures to high concentrations of dust may cause increased mucous flow in the nose and respiratory system airways. This condition usually disappears after exposure stops.

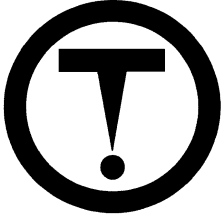

Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e. silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration.

Prolonged and repeated breathing of dust may cause lung disease (pneumoconiosis). The extent and severity of lung injury correlates with the length of exposure and dust concentration.

Prolonged or repeated skin contact may dry the skin, causing cracking or dermatitis.

Medical Conditions Aggravated by Exposure:

Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma will be aggravated by dust exposure.
 Pre-existing skin diseases such as rashes and dermatitis will be aggravated by skin exposure.

HMIS Rating	WHMIS (Canada)	NFPA Rating												
<table border="1"> <tr> <td>HEALTH</td> <td>*</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td></td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td></td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td></td> <td>E</td> </tr> </table> <p>0 = Minimal Hazard 1 = Slight Hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard E – Safety glasses, gloves and dust respirator *Contains crystalline silica</p>	HEALTH	*	1	FLAMMABILITY		0	PHYSICAL HAZARD		0	PERSONAL PROTECTION		E	 <p>D2A</p>	 <p>Health = 1 Fire = 0 Reactivity = 0</p>
HEALTH	*	1												
FLAMMABILITY		0												
PHYSICAL HAZARD		0												
PERSONAL PROTECTION		E												

Section 3: Composition and Ingredient Information

Chemical Name	CAS No.	Wt. %
Calcium Carbonate, Limestone	1317-65-3	<65
Perlite	93763-70-3	<12
Mica	12001-26-2	<10
Talc	14807-96-6	<9
Kaolin clay	1332-58-7	<8
Sepiolite clay	63800-37-3	<4
Polyvinyl Acetate	108-05-4	<3
Attapulgitite clay	12174-11-7	<3
Starch	9005-25-8	<2
Crystalline Silica*	14808-60-7	<2

Additional notes:

*This product contains crystalline silica as a naturally occurring raw material contaminant. Crystalline silica is not directly added to this product.

See Section 8 of this MSDS for exposure limit data for these ingredients.



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Section 4: First Aid Measures

<u>Inhalation:</u>	If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, obtain medical advice immediately.
<u>Eye Contact:</u>	Do not allow victim to rub eye(s). Let the eye(s) water naturally for a few minutes. Have victim look right and left, and then up and down. If particle/dust does not dislodge, flush with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelid(s) open. If irritation persists, obtain medical treatment. DO NOT attempt to manually remove anything stuck to eye(s).
<u>Skin Contact:</u>	If irritation does occur, wash gently and thoroughly with water and non-abrasive soap for 5 minutes or until the material is removed. If irritation persists, obtain medical advice.
<u>Ingestion:</u>	If irritation or discomfort occurs, obtain medical advice immediately.

Section 5: Fire Fighting Measures

<u>Flash Point and Method (°C):</u>	Not applicable
<u>Flammability Limits (%):</u>	Not applicable
<u>Auto Ignition Temperature (°C):</u>	Not applicable
<u>Extinguishing Media:</u>	This material is not flammable, use whatever media is appropriate for the surrounding materials.
<u>Unusual Fire and Explosion Hazards:</u>	Sensitivity to mechanical impact: Not sensitive Sensitivity to static discharge: Not sensitive
<u>Fire Fighting Instructions:</u>	Evacuate area and fight fire from safe distance. Wear pressure-demand self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. As with any fire, toxic gases, vapors and fumes can be generated.
<u>Hazardous Combustion Products:</u>	Products of incomplete combustion may include oxides of carbon and dense smoke.

Section 6: Accidental Release Measures

<u>Personal Precautions:</u>	Wear adequate personal protective equipment as indicated in Section 8.
<u>Environmental Precautions:</u>	Minimize entry of material into sewers and drainage systems. Refer to permit discharge limitations if applicable.
<u>Methods for Containment:</u>	Contain spill, no special methods required.
<u>Methods for Clean-up:</u>	Scoop-up and scrape spilled material and place into an appropriate waste container for recovery or waste disposal. Dispose of in accordance with local, provincial, and federal laws and regulations. Avoid dust generation. Avoid inhalation of dust and contact with eyes and skin. Wear appropriate protective equipment. Maintain proper ventilation. If vacuum is used to collect dust, use an industrial vacuum cleaner with a high efficiency air filter. Do not dry-sweep. If sweeping is necessary, use dust suppressant. Do not use compressed air for clean up. Do not wash the material down the drain as it may cause the drain to plug.



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Section 7: Handling and Storage

Handling:

Keep containers closed when not in use. Avoid generating dusts. Good housekeeping is important to prevent accumulations of dust. Prevent the release of dusts into the workplace air. Do not allow dust to collect on walls, floors, ledges or equipment.

Storage:

Store in suitable, labeled containers. Protect from damage. Do not freeze. Keep product out of direct sunlight at all times. Keep storage containers closed when not in use.

Section 8: Exposure Controls and Personal Protection

<u>Ingredient</u>	<u>ACGIH TLV (8-hr. TWA)</u>	<u>U.S. OSHA PEL (8-hr. TWA)</u>
Calcium Carbonate, Limestone	10 mg/m ³ containing no asbestos and less than 1% crystalline silica	15 mg/m ³ (total dust): 5 mg/m ³ (respirable fraction)
Talc	2 mg/m ³ (respirable particulate) containing no asbestos or crystalline silica	20 mppcf*
Perlite	10 mg/m ³	15 mg/m ³ (total dust, particulates not otherwise regulated); 5 mg/m ³ (respirable fraction)
Attapulgite clay	Not established	Not established
Mica	3 mg/m ³ (respirable)	20 mppcf* (less than 1% crystalline silica)
Sepiolite	Not established	Not established
Kaolin clay	2 mg/m ³	15 mg/m ³ (total dust): 5 mg/m ³ (respirable fraction)
Starch	10 mg/m ³	15 mg/m ³ (total dust): 5 mg/m ³ (respirable fraction)
Crystalline Silica	0.05 mg/m ³	30 mg/m ³ / (%SiO ₂ + 2) – quartz (total dust); 10 mg/m ³ / (%SiO ₂ + 2) – quartz (respirable)
Vinyl Acetate Monomer	10 ppm 15 ppm STEL	Not established
Formaldehyde	0.37 mg/m ³ Ceiling	0.75 ppm
Ethyl acrylate	5 ppm TWA 8 hour 15 ppm STEL	25 ppm
Acetaldehyde	25 ppm Ceiling	200 ppm TWA; 360 mg/m ³ TWA
Zinc Oxide (ZNO)	2 mg/m ³	15 mg/m ³ (total dust): 5 mg/m ³ (respirable fraction)
Zinc Pyrithione	Not established	Not established

*(millions of particles per cubic foot of air)



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Engineering Controls: Local exhaust ventilation is the preferred method to minimize dust. General mechanical exhaust can also be used if needed.

Hygiene Measures: Wash hands thoroughly after handling this material. Maintain good housekeeping.

Personal Protective Equipment

Respiratory Protection: Wear a dust mask when dry sanding or handling dry product. Wear NIOSH/MSHA approved respirator equipped with particulate cartridges when dusty in poorly ventilated areas, and if exposure limits are exceeded. A respiratory program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Wear gloves and protective clothing to prevent repeated or prolonged skin contact. Barrier creams or skin lotion may be applied to face, neck, wrist, and hands when skin is exposed to help prevent drying of skin.

Eye Protection: Wear safety glasses or splash goggles to avoid eye contact/irritation.

Section 9: Physical and Chemical Properties

Physical State:	Semi-solid	Vapor Pressure: (mm Hg @ 25°C)	Not available
Appearance:	Paste	Vapor Density: (Air = 1)	Not available
pH:	7.5 to 10.0	Solubility in Water:	Completely insoluble
Relative Density: (water = 1)	0.9 to 2.0 g/cc	Water/Oil distribution coefficient:	Not available
Boiling Point:	~100°C (212°F)	Odor Type:	Mild characteristic
Freezing Point:	~0°C (32°F)	Odor Threshold:	Not available
Viscosity:	100-800 Brabender Units	Evaporation Rate: (In-Butyl Acetate = 1)	Not available
Oxidizing Properties:	Not available	Auto Ignition Temperature (°C):	Not applicable
Flash Point and Method:	Not available	Flammability Limits (%):	Not available
VOC:	<10 grams/liter		

Section 10: Stability and Reactivity

Stability: Stable

Incompatible Materials and Conditions to Avoid: Incompatible with acids and strong oxidizing agents.

Hazardous Decomposition Products: Products of incomplete combustion may include oxides of carbon and dense smoke.

Hazardous Polymerization: Will not occur.



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Section 11: Toxicological Information

Acute Toxicity Data:

<u>Ingredient</u>	<u>LD₅₀Oral (mg/kg)</u>	<u>LD₅₀Dermal (mg/kg)</u>	<u>LC₅₀Inhalation (mg/m³, 4 hrs.)</u>
Calcium Carbonate, Limestone	6,450 (rat)	Not established	Not established
Talc	Not established	Not established	Not established
Perlite	13,000 (mouse)	Not established	Not established
Attapulgitte clay	Not available	Not available	Not available
Mica	Not available	Not available	Not available
Sepiolite	Not established	Not established	Not established
Kaolin clay	Not available	Not available	Not available
Starch	Not established	Not established	Not established
Crystalline Silica	Not established	Not established	Not established
Vinyl Acetate Monomer	2,900 (rat)	Not established	11,400 (rat)
Formaldehyde	800 (rat)	540 (rabbit)	250 ppm 4 hrs (rat)
Ethyl acrylate	800 (rat)	2,997 (mouse)	1,414 ppm (mouse)
Acetaldehyde	661 (rat)	3,540 (rabbit)	23,000 (mouse)
Zinc Oxide	8,437 (rat)	5,000 (rabbit)	Not available
Zinc Pyrithione	269 (rat)	2,000 (rabbit)	1.03 mg/L 4 hrs (rat)

Chronic Toxicity Data

Carcinogenicity:

The table below indicates whether each agency has listed any ingredients as a carcinogen.

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>
Calcium Carbonate, Limestone	Not listed	Not listed	Not listed
Talc	A4	Group 3	Not listed
Perlite	A4	Not listed	Not listed
Attapulgitte clay	A4	Group 2B (fibre <5µm); Group 3 (fibre >5µm)	Not listed
Mica	Not listed	Not listed	Not listed
Sepiolite	Not listed	Group 3	Not listed
Kaolin clay	Not listed	Not listed	Not listed
Starch	A4	Not listed	Not listed
Crystalline Silica	A2	Group 1	Known human carcinogen
Vinyl Acetate Monomer	A3	Group 2B	Not listed
Formaldehyde	A2	Group 1	Reasonably anticipated
Ethyl acrylate	A2	Group 2B	Reasonably anticipated
Acetaldehyde	A3	Group 2B	Reasonably anticipated
Zinc Oxide	Not listed	Not listed	Not listed
Zinc Pyrithione	Not listed	Not listed	Not listed

Carcinogenicity Designations:

- ACGIH: American Conference of Governmental Industrial Hygienists
 - A2 – Suspected Human Carcinogen.
 - A3 – Confirmed Animal Carcinogen with Unknown Relevance to Humans.
 - A4 – Not Classifiable as a Human Carcinogen.
- IARC: International Agency for Research on Cancer
 - Group 1 – Carcinogenic to Humans.
 - Group 2B – Possibly Carcinogenic to Humans.
 - Group 3 – Not Classifiable as to its Carcinogenicity to Humans.
- NTP: National Toxicity Program



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Note:	Traces of formaldehyde, vinyl acetate monomer, and ethyl acrylate may be found in this product. These materials are not added to this product. They may be present as residual trace chemicals in some commonly used raw materials for drywall joint compounds. Any exposure to these chemicals during product use is expected to remain well below both ACGIH and OSHA limits.
Irritation:	Exposure to dust may cause irritation of the upper respiratory tract and eyes. Skin contact may cause slight irritation.
Sensitization:	Not likely to cause sensitization.
Neurological Effects:	Not applicable
Teratogenicity:	Not applicable
Reproductive Toxicity:	Not applicable
Mutagenicity:	Not applicable
Toxicologically Synergistic Materials:	Not applicable

Section 12: Ecological Information

Movement and Partitioning:	Not available
Degradation and Persistence:	Not available
Ecotoxicity:	Not available
Other:	Not available

Section 13: Disposal Considerations

Waste Disposal Method:	Do not dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.
USA:	Dispose of in accordance with local, state, and federal laws and regulations. RCRA Waste Codes: None listed
Canada:	Dispose of in accordance with local, provincial, and federal laws and regulations.

Section 14: Transport Information

U.S. Hazardous Materials Regulation (DOT 49CFR):	Not regulated
Canadian Transportation of Dangerous Goods (TDG):	Not regulated
ADR/RID:	Not regulated
IMDG:	Not regulated
ICAO/IATA:	Not regulated



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Section 15: Regulatory Information

TSCA Status:	All ingredients are listed in the TSCA inventory.
SARA Title III:	
Sec/ 302/304:	None
Sec. 311/312:	Calcium Carbonate: Acute and Chronic Crystalline Silica: Acute and Chronic Talc: Chronic Vinyl Acetate Monomer: Acute, flammable, reactive Zinc Pyrithione: Acute Kaolin: Chronic Formaldehyde: Acute and Chronic Zinc Oxide: Acute
Sec. 313:	Vinyl Acetate Monomer Acetaldehyde Ethyl acrylate Formaldehyde
CERCLA:	None
Right to Know:	Calcium Carbonate: PA, MA MN, CA, NJ, RI Kaolin: CA (listed as Silica, amorphous), NJ, PA, MN, MA Crystalline Silica: NJ, PA, MN, MA Talc: CA, NJ, PA, MN, MA, IL, FL Vinyl Acetate Monomer: CA, NJ, PA, MN, MA Starch: PA, MN, MA Zinc Pyrithione: PA, NJ Acetaldehyde: CA, NY, RI, PA, MN, MA, NJ, LA Ethyl acrylate: CA, RI, PA, FL, MN, MA, NJ Formaldehyde: CA, NJ, FL, PA, MN, MA Zinc Oxide: PA, NJ, MA

California Proposition 65: This product may contain substances known to the State of California to cause cancer: Crystalline silica (airborne particulates of respirable size) and traces of formaldehyde, vinyl acetate monomer, and ethyl acrylate. Attapulgite Clay >5µm in length.

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification (for workplace exposures): D2A – Material Causing Other Toxic Effects – Due to possibility of inhaling Crystalline silica during sanding operations.

New Substance Notification Regulations: All substances in this product are listed on Canada's Domestic Substances List (DSL).

National Pollutant Release Inventory: There are no NRPI reportable substances in this product.

Section 16: Other Information

Prepared by:	Hamilton Drywall Products – Product Safety Group; 1-800-871-4998
Preparation date:	January 21, 2013
Manufacturer Disclaimer:	This information is furnished without warranty, expressed, or implied, except that it is accurate to the best knowledge of Hamilton Drywall Products. The data on this sheet relates only to the specific material designed herein. Hamilton Drywall Products assumes no legal responsibility for the use or reliance on this data.