SAFETY DATA SHEET
Block Filler Formulation

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name Block Filler Formulation

Product number WP-3740

Recommended use of the chemical and restrictions on use

Application Paint.

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier See Manufacturer

Contact Person Milton Arnold

Manufacturer LANCO & HARRIS CORP.
600 MID FLORIDA DRIVE
ORLANDO, FL. 32824
407-240-4000
www.lancopaints.com

Emergency telephone number

Emergency telephone Office 407-240-4000 9 – 5 eastern M_F
Chemtrec 24 Hours: 800-424-9300

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Carc. 1A - H350 STOT RE 1 - H372

Environmental hazards Not Classified

Label elements

Pictogram

Signal word Danger

Hazard statements H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

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Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe vapor/ spray.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P308+P313 If exposed or concerned: Get medical advice/ attention.
P314 Get medical advice/ attention if you feel unwell.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains Titanium dioxide, MICA, Crystaline silica (Quartz)

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

Limestone **30-60%**

CAS number: 1317-65-3

Classification
Not Classified

Titanium dioxide **1-5%**

CAS number: 13463-67-7

Classification
Carc. 2 - H351

MICA **1-5%**

CAS number: 12001-26-2

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2B - H320
STOT SE 3 - H335
STOT RE 1 - H372

Crystaline silica (Quartz) **1-5%**

CAS number: 14808-60-7

Classification
Carc. 1A - H350
STOT RE 1 - H372

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Silicon dioxide CAS number: 7631-86-9	**<1%**
Classification Not Classified	
Aluminum hydroxide CAS number: 21645-51-2	**<1%**
Classification Not Classified	
Ammonium hydroxide solution CAS number: 1336-21-6 M factor (Acute) = 1	**<1%**
Classification Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400	
Zirconium(IV) oxide CAS number: 1314-23-4	**<1%**
Classification Not Classified	

The full text for all hazard statements is displayed in Section 16.

Composition comments * The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200. The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

4. First-aid measures

Description of first aid measures

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin Contact Rinse with water.

Eye contact Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

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General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
Ingestion	Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
Skin contact	Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

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Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. May cause cancer. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class Chemical storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

Limestone

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Titanium dioxide

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³
A4
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

MICA

Long-term exposure limit (8-hour TWA): ACGIH 3 mg/m³ respirable fraction

Crystaline silica (Quartz)

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
A2

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Silicon dioxide

Long-term exposure limit (8-hour TWA): OSHA 0.8 mg/m³

Aluminum hydroxide

Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m³ respirable fraction

Ammonium hydroxide solution

Short-term exposure limit (15-minute): OSHA 35 ppm 27 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 25 ppm 18 mg/m³
Short-term exposure limit (15-minute): ACGIH 35 ppm 27 mg/m³

Zirconium(IV) oxide

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH Threshold Limit Values (TLV) 5 mg/m³
Short-term exposure limit (15-minute): ACGIH 10 mg/m³

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.
A2 = Suspected Human Carcinogen.

Titanium dioxide (CAS: 13463-67-7)

Immediate danger to life and health	5000 mg/m³

MICA (CAS: 12001-26-2)

Immediate danger to life and health	1500 mg/m³

Crystaline silica (Quartz) (CAS: 14808-60-7)

Immediate danger to life and health	50 mg/m³ 25 mg/m³

Silicon dioxide (CAS: 7631-86-9)

Immediate danger to life and health	3000 mg/m³

Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

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Hand protection	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	Various colors.
Odor	Mild.
Odor threshold	Not available.
pH	pH (concentrated solution): 8.5 - 9.5
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	Not applicable.
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Lighter than air.
Solubility(ies)	Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.

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Explosive properties	Not applicable.
Specific Gravity (H2O = 1)	1.688
Oxidizing properties	Not available.
Coating v.o.c.	7 g/l
Material v.o.c.	4 g/l

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation	Based on available data the classification criteria are not met.
Animal data	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitization

Respiratory sensitization	Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	May cause cancer.

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IARC carcinogenicity Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure STOT RE 1 - H372 Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation No specific symptoms known.

Ingestion No specific symptoms known.

Skin Contact No specific symptoms known.

Eye contact No specific symptoms known.

Route of entry Ingestion Inhalation Skin and/or eye contact

Target Organs No specific target organs known.

12. Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity

Toxicity Based on available data the classification criteria are not met.

Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient Not available.

Mobility in soil

Mobility No data available.

Results of PBT and vPvB assessment

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

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Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

Not regulated.

Packing group

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

Not applicable.

15. Regulatory information

International Regulations

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed or exempt:

Ammonium hydroxide solution
Final CERCLA RQ: 1000(454) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
The following ingredients are listed or exempt:

Ammonium hydroxide solution
1.0 %

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CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

FDA - Essential Chemical
None of the ingredients are listed or exempt.

FDA - Precursor Chemical
None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
The following ingredients are listed or exempt:

Silicon dioxide
Known to the State of California to cause cancer.

Titanium dioxide
Known to the State of California to cause cancer.

California Air Toxics "Hot Spots" (A-I)
The following ingredients are listed or exempt:

Silicon dioxide
Present.

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances
The following ingredients are listed or exempt:

Ammonium hydroxide solution
Present.

MICA
Present.

Silicon dioxide
Present.

Massachusetts "Right To Know" List
The following ingredients are listed or exempt:

Ammonium hydroxide solution
Present.

MICA
Present.

Crystaline silica (Quartz)
Present.

Distillates (petroleum), solvent-dewaxed light paraffinic
Present.

Zirconium(IV) oxide
Present.

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Silicon dioxide
Present.

Titanium dioxide
Present.

Limestone
Present.

Rhode Island "Right To Know" List
The following ingredients are listed or exempt:

MICA
Present.

Crystaline silica (Quartz)
Present.

Titanium dioxide
Present.

Limestone
Present.

Minnesota "Right To Know" List
The following ingredients are listed or exempt:

MICA
Present.

Crystaline silica (Quartz)
Present.

Silicon dioxide
Present.

Titanium dioxide
Present.

Limestone
Present.

New Jersey "Right To Know" List
The following ingredients are listed or exempt:

Ammonium hydroxide solution
Present.

MICA
Present.

Crystaline silica (Quartz)
Present.

Titanium dioxide
Present.

Limestone
Present.

Pennsylvania "Right To Know" List
The following ingredients are listed or exempt:

Ammonium hydroxide solution
Present.

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MICA
Present.

Crystaline silica (Quartz)
Present.

Silicon dioxide
Present.

Titanium dioxide
Present.

Limestone
Present.

Inventories

US - TSCA

The following ingredients are listed or exempt:

1,2-benzisothiazol-3(2H)-one
Present.

Ammonium hydroxide solution
Present.

2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and ethenylbenzene
Present.

Crystaline silica (Quartz)
Present.

2-methylisothiazol-3(2H)-one
Present.

Distillates (petroleum), solvent-dewaxed light paraffinic
Present.

Distillates (petroleum), solvent-dewaxed heavy paraffinic
Present.

Zirconium(IV) oxide
Present.

Aluminum hydroxide
Present.

Silicon dioxide
Present.

Titanium dioxide
Present.

Limestone
Present.

US - TSCA 12(b) Export Notification

The following ingredients are listed or exempt:

2-methylisothiazol-3(2H)-one
Present.

16. Other information

Training advice	Only trained personnel should use this material.
Revision comments	This is first issue.

Block Filler Formulation

Issued by	Milton Arnold
Revision date	11/8/2016
Revision	1
SDS No.	4630
SDS status	Approved.
Hazard statements in full	H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H320 Causes eye irritation. H335 May cause respiratory irritation. H350 May cause cancer. H351 Suspected of causing cancer. H372 Causes damage to organs through prolonged or repeated exposure. H372 Causes damage to organs (Lungs) through prolonged or repeated exposure. H400 Very toxic to aquatic life.
End of SDS	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXx