

## Bestile™ Utility Cement

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : Bestile™ Utility Cement

**Manufacturer or supplier's details**

 Company : Johns Manville  
 Address : P.O. Box 5108  
                   Denver, CO USA 80127  
 Telephone : +1-303-978-2000  
 Emergency telephone : 24-Hour Number: 1-800-424-9300 (CHEMTREC)  
 number

 Company : Johns Manville Canada Inc.  
 Address : 5301 42 Avenue  
                   Innisfail, AB Canada T4G 1A2  
 Telephone : +1-303-978-2000  
 Emergency telephone : 24-Hour Number: 1-800-424-9300 (CHEMTREC)  
 number

Recommended use of the chemical and restrictions on use

Restrictions on use : For professional users only.

Prepared by : productsafety@jm.com

### SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015)**

 Flammable liquids : Category 3  
 Skin irritation : Category 2  
 Carcinogenicity : Category 2  
 Specific target organ toxicity : Category 1 (Central nervous system)  
 - repeated exposure  
 (Inhalation)

**GHS label elements**

Hazard pictograms :



Signal word : Danger

 Hazard statements : H226 Flammable liquid and vapour.  
                           H315 Causes skin irritation.  
                           H351 Suspected of causing cancer.  
                           H372 Causes damage to organs (Central nervous system)  
                           through prolonged or repeated exposure if inhaled.

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

Precautionary statements

:

**Prevention:**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash 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.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**
**Hazardous components**

Chemical name	CAS-No.	Concentration (%)
asphalt	8052-42-4	>= 60 - <= 80
Stoddard solvent	8052-41-3	>= 10 - <= 30
cellulose	9004-34-6	>= 1.0 - <= 10
perlite, expanded	93763-70-3	>= 1.0 - <= 10
palygorskite	12174-11-7	>= 1.0 - <= 10

Actual concentration or concentration range is withheld as a trade secret

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.  
Symptoms of poisoning may appear several hours later.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.  
Call a physician if irritation develops or persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Protect unharmed eye.  
If eye irritation persists, consult a specialist.
- If swallowed : DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Gently wipe or rinse the inside of the mouth with water.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician or Poison Control Centre immediately.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
Suspected of causing cancer.  
Causes damage to organs through prolonged or repeated exposure if inhaled.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Water spray  
Dry chemical  
Foam
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Vapours may form flammable mixture with air  
Vapours are heavier than air and may spread along floors.  
Water may be ineffective.  
Do not use a solid water stream as it may scatter and spread fire.  
The product will float on water and can be reignited on surface water.  
Cool closed containers exposed to fire with water spray.

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

- Hazardous combustion products : carbon oxides  
nitrogen oxides  
Magnesium oxides  
aluminum oxides  
Silicon oxides
- Further information : Standard procedure for chemical fires.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Use personal protective equipment.  
Evacuate personnel to safe areas.  
Keep people away from and upwind of spill/leak.  
Remove all sources of ignition.  
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Should not be released into the environment.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Use explosion-proof equipment.  
Electrical equipment should be protected to the appropriate standard.  
Take measures to prevent the build up of electrostatic charge.  
Use only in area provided with appropriate exhaust ventilation.  
Keep away from open flames, hot surfaces and sources of ignition.  
Vapours are heavier than air and may spread along floors.  
Vapours may form explosive mixtures with air.  
Fire or intense heat may cause violent rupture of packages.
- Advice on safe handling : For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Use only in area provided with appropriate exhaust ventilation.  
Provide exhaust ventilation close to floor level.  
Avoid spark promoters. Ground/bond container and

## Bestile™ Utility Cement

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

equipment. These alone may be insufficient to remove static electricity.

- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
To maintain product quality, do not store in heat or direct sunlight.  
Use explosion-proof equipment.
- Materials to avoid : Keep away from oxidizing agents and strongly acid or alkaline materials.
- Recommended storage temperature : 16 - 27 °C
- Storage period : 24 Months
- Further information on storage stability : Do not freeze.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
asphalt	8052-42-4	TWA (Fume, inhalable fraction)	0.5 mg/m <sup>3</sup> (benzene soluble aerosol)	ACGIH
		C (Fumes)	5 mg/m <sup>3</sup>	NIOSH REL
Stoddard solvent	8052-41-3	TWA	100 ppm	ACGIH
		TWA	350 mg/m <sup>3</sup>	NIOSH REL
		C	1,800 mg/m <sup>3</sup>	NIOSH REL
cellulose	9004-34-6	TWA	500 ppm 2,900 mg/m <sup>3</sup>	OSHA
		TWA	10 mg/m <sup>3</sup>	ACGIH
		TWA (respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
perlite, expanded	93763-70-3	TWA (total dust)	15 mg/m <sup>3</sup>	OSHA
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA
		TWA (respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (Total particulate)	15 mg/m <sup>3</sup>	OSHA
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA

## Bestile™ Utility Cement

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

- Engineering measures** : Use a local and/or general ventilation system.  
 Provide exhaust ventilation close to floor level.  
 Maintain air concentrations below occupational exposure standards.
- Personal protective equipment**
- Respiratory protection : No personal respiratory protective equipment normally required.  
 General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Hand protection  
 Material : Solvent-resistant gloves
- Remarks : Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- Eye protection : Wear safety glasses with side shields or goggles.
- Skin and body protection : Wear protective clothing, such as long-sleeved shirts and pants.  
 Remove and wash contaminated clothing before re-use.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
 Written instructions for handling must be available at the work place.  
 Wash hands before breaks and immediately after handling the product.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Keep away from food and drink.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : black
- Odour : asphalt, hydrocarbon-like

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: 149 - 177 °C
Flash point	: 40 °C Method: Pensky-Martens closed cup
Evaporation rate	: 0.2 (Butyl Acetate=1.0)
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: > 4(Air = 1.0)
Relative density	: 0.8 - 1.2(Water = 1.0)
Solubility(ies) Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None known.
Conditions to avoid	: Heat, flames and sparks.

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

Incompatible materials	:	Oxidizing agents Strong acids and strong bases
Hazardous decomposition products	:	In case of fire hazardous decomposition products may be produced such as: carbon oxides nitrogen oxides Silicon oxides aluminum oxides Magnesium oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**
**Acute toxicity**

Not classified based on available information.

**Product:**

Acute dermal toxicity : Acute toxicity estimate : > 2,000 mg/kg  
Method: Calculation method

**Acute toxicity**
**Components:**
**asphalt:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.0944 mg/l  
Exposure time: 4.5 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**Acute toxicity**
**Stoddard solvent:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.5 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: No mortality was observed.

Acute dermal toxicity : LD50 (Rabbit, male and female): > 3,000 mg/kg  
Method: OECD Test Guideline 402



**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

**Acute toxicity****perlite, expanded:**

Acute oral toxicity : LD50 (Rat): &gt; 10,000 mg/kg

**Skin corrosion/irritation****Components:****Stoddard solvent:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: Skin irritation

Respiratory sensitisation: Not classified based on available information.

**IARC**

Group 2B: Possibly carcinogenic to humans

palygorskite

12174-11-7

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**STOT - repeated exposure****Components:****Stoddard solvent:**

Exposure routes: inhalation (vapour)

Target Organs: Central nervous system

Assessment: Causes damage to organs through prolonged or repeated exposure.

**Aspiration toxicity**

Not classified based on available information.

**Product:**

No aspiration toxicity classification

**Components:****Stoddard solvent:**

May be fatal if swallowed and enters airways.

---

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Stoddard solvent:**Toxicity to algae : NOEC (Pseudokirchneriella subcapitata (algae)): 0.16 mg/l  
Test Type: static test

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC: 0.142 mg/l  
Exposure time: 30 d  
Remarks: The value is calculated

**Persistence and degradability****Components:****Stoddard solvent:**

Biodegradability : Result: Readily biodegradable.

**Bioaccumulative potential****Components:****Stoddard solvent:**Partition coefficient: n-octanol/water : log Pow: 3.5 - 6.4 (20 °C)  
Method: OECD Test Guideline 117**Mobility in soil**

No data available

**Other adverse effects****Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by the  
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +  
B).

Additional ecological information : Harmful to aquatic life with long lasting effects.

**Components:****asphalt:**

Additional ecological information : No data available

---

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**Waste from residues : Dispose of contents/container to an approved facility in  
accordance with local, regional, national and international  
regulations.Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020

Print Date 06/24/2020

Do not re-use empty containers.  
Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.

**SECTION 14. TRANSPORT INFORMATION****International transport regulations**

Land transport

USDOT: Not regulated if shipped in packages less than or equal to 119 gallons (450 liters).

TDG: Not regulated if shipped in packages less than or equal to 119 gallons (450 liters).

Sea transport

IMDG: UN1999, Tars, liquid, 3, III (40 °C c.c.)

Air transport

IATA/ICAO: UN1999, Tars, liquid, 3, III

**SECTION 15. REGULATORY INFORMATION****TSCA list**

TSCA - 5(a) Significant New Use Rule List of Chemicals : No substances are subject to a Significant New Use Rule.

U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D) : No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Skin corrosion or irritation  
Specific target organ toxicity (single or repeated exposure)  
Carcinogenicity

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

**Bestile™ Utility Cement**

Version 2.1

Revision Date 06/24/2020


Print Date 06/24/2020

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including palygorskite, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

TSCA : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

---

**SECTION 16. OTHER INFORMATION****Further information**

Revision Date : 06/24/2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.