

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : MBR® Utility Cement (Summer Grade), MBR® Utility Cement (Winter Grade)

Manufacturer or supplier's details

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

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

Recommended use of the chemical and restrictions on use

Recommended use : Adhesives and/or sealants
 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
 Germ cell mutagenicity : Category 1B
 Carcinogenicity : Category 1A
 Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H340 May cause genetic defects.

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

H350 May cause cancer.

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.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P264 Wash skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 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.
 P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
 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 + P233 Store in a well-ventilated place. Keep container tightly closed.
 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 | >= 30 - < 60 |
| naphtha (petroleum), hydrotreated heavy | 64742-48-9 | >= 10 - < 30 |

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

| | | |
|----------------------------|------------|--------------|
| benzene | 71-43-2 | >= 0.1 - < 1 |
| quartz (SiO ₂) | 14808-60-7 | >= 0.1 - < 1 |

Actual concentration or concentration range is withheld as a trade secret

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 5 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.
 May cause drowsiness or dizziness.
 May cause genetic defects.
 May cause cancer.
- 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 (CO₂)
 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.
 The product will float on water and can be reignited on surface water.
 Cool closed containers exposed to fire with water spray.
- Hazardous combustion products : carbon 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.

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

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 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.

Materials to avoid : Use explosion-proof equipment.
 Keep away from oxidizing agents and strongly acid or alkaline materials.

Recommended storage temperature : 16 - 27 °C
 Storage period : 12 Months

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

Further information on storage stability : Keep containers tightly closed in a dry, cool place.

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 ³ (benzene soluble aerosol) | ACGIH |
| | | C (Fumes) | 5 mg/m ³ | NIOSH REL |
| naphtha (petroleum), hydrotreated heavy | 64742-48-9 | TWA | 500 ppm 2,000 mg/m ³ | OSHA |
| benzene | 71-43-2 | TWA | 0.5 ppm | ACGIH |
| | | STEL | 2.5 ppm | ACGIH |
| | | TWA | 0.1 ppm | NIOSH REL |
| | | ST | 1 ppm | NIOSH REL |
| | | TWA | 10 ppm | OSHA |
| | | CEIL | 25 ppm | OSHA |
| | | Peak | 50 ppm (10 minutes) | OSHA |
| | | PEL | 1 ppm | OSHA CARC |
| STEL | 5 ppm | OSHA CARC | | |
| quartz (SiO ₂) | 14808-60-7 | TWA (Respirable fraction) | 0.025 mg/m ³ | ACGIH |
| | | TWA (respirable) | 10 mg/m ³ / %SiO ₂ +2 | OSHA |
| | | TWA (respirable) | 250 mppcf / %SiO ₂ +5 | OSHA |
| | | TWA (Respirable dust) | 0.05 mg/m ³ | NIOSH REL |
| | | TWA (Respirable dust) | 0.05 mg/m ³ | OSHA |

Biological occupational exposure limits

| Components | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
|------------|---------|--------------------------|---------------------|--|---------------------------|-----------|
| benzene | 71-43-2 | S-Phenylmercapturic acid | Urine | End of shift (As soon as possible after exposure ceases) | 25 µg/g creatinine | ACGIH BEI |
| | | t,t-Muconic acid | Urine | End of shift (As soon as possible) | 500 µg/g creatinine | ACGIH BEI |

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

| | | | | | | |
|--|--|--|--|------------------------|--|--|
| | | | | after exposure ceases) | | |
|--|--|--|--|------------------------|--|--|

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 : 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 : viscous liquid
 Colour : black
 Odour : mild, hydrocarbon-like
 Odour Threshold : No data available
 pH : No data available
 Melting point/freezing point : No data available
 Initial boiling point and boiling range : 148.89 °C
 Flash point : 37.8 - 60.0 °C
 Method: Cleveland open cup

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

| | |
|--|-------------------------------------|
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density | : No data available |
| Relative density | : 1.18 - 1.27 |
| Water solubility | : No data available |
| 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 | |
| Viscosity, dynamic | : 50,000 - 250,000 mPa.s |
| Viscosity, kinematic | : > 20.5 mm ² /s (40 °C) |

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. |
| Incompatible materials | : Oxidizing agents Strong acids and strong bases |

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

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

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

naphtha (petroleum), hydrotreated heavy:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
Remarks: No mortality was observed.
Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,610 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
Remarks: No mortality was observed.
Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Remarks: No mortality was observed.
Information given is based on data obtained from similar substances.

benzene:

Acute oral toxicity : LD50 (Rat, male): > 2,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, female): 43.767 mg/l, 13700 ppm
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 8,260 mg/kg
Method: OECD Test Guideline 402

quartz (SiO₂):

Acute oral toxicity : LD50 (Rat): > 22,500 mg/kg

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation**Components:****naphtha (petroleum), hydrotreated heavy:**

Result: Skin irritation

Skin corrosion/irritation**benzene:**

Species: Rabbit

Exposure time: 4 h

Method: OECD Test Guideline 404

Result: Irritating to skin.

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

Serious eye damage/eye irritation
Components:
benzene:

Species: Rabbit

Result: Irritating to eyes.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity
Components:
benzene:

Germ cell mutagenicity- Assessment : In vivo tests showed mutagenic effects

Carcinogenicity
Components:
benzene:

Carcinogenicity - Assessment : Human carcinogen.

IARC

Group 1: Carcinogenic to humans

benzene 71-43-2

 quartz (SiO₂) 14808-60-7

OSHA

OSHA specifically regulated carcinogen

benzene 71-43-2

NTP

Known to be human carcinogen

benzene 71-43-2

 quartz (SiO₂) 14808-60-7

STOT - single exposure
Components:
naphtha (petroleum), hydrotreated heavy:

Exposure routes: inhalation (vapour)

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure
Components:
benzene:

Exposure routes: Ingestion

Target Organs: hematopoietic system

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

Exposure routes: inhalation (vapour)

Target Organs: hematopoietic system

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

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:
naphtha (petroleum), hydrotreated heavy:

May be fatal if swallowed and enters airways.

benzene:

May be fatal if swallowed and enters airways.

SECTION 12. ECOLOGICAL INFORMATION
Ecotoxicity
Components:
naphtha (petroleum), hydrotreated heavy:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l
 End point: mortality
 Exposure time: 96 h
 Test Type: semi-static test
 Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 4.5 mg/l
 End point: Immobilization
 Exposure time: 48 h
 Test Type: static test
 Method: OECD Test Guideline 202

Toxicity to algae : NOELR (Pseudokirchneriella subcapitata (algae)): 0.5 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201

EL50 (Pseudokirchneriella subcapitata (algae)): 3.7 mg/l
 Exposure time: 96 h
 Test Type: static test
 Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR (Daphnia magna (Water flea)): 2.6 mg/l
 Exposure time: 21 d
 Test Type: semi-static test
 Method: OECD Test Guideline 211

benzene:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.3 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 10 mg/l
 Exposure time: 48 h
 Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 100 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

Toxicity to fish (Chronic toxicity) : EC10 (Pimephales promelas (fathead minnow)): 0.8 mg/l
 Exposure time: 32 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10 (Ceriodaphnia dubia): 3 mg/l
 Exposure time: 7 d

Toxicity to microorganisms : IC50 (activated sludge): 13 mg/l
 Exposure time: 24 h

quartz (SiO₂):

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 10,000 mg/l
 Exposure time: 72 h

Persistence and degradability
Components:
naphtha (petroleum), hydrotreated heavy:

Biodegradability : Result: Inherently biodegradable.

benzene:

Biodegradability : Biodegradation: 100 %

Bioaccumulative potential
Components:
benzene:

Bioaccumulation : Bioconcentration factor (BCF): 13

Partition coefficient: n-octanol/water : log Pow: 2.13 (25 °C)
 pH: 7

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 : Toxic to aquatic life.
 Toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

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.
 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: UN1999, Tars, liquid, 3, III

TDG: UN1999, Tars, liquid, 3, III

Above applies only to containers over 119 gallons or 450 liters. Not regulated if shipped in packages less than or equal to 119 gallons (450 liters). If transporting by vessel or aircraft, unless other means of transportation is impracticable, then the product must be shipped as a flammable liquid.

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

| Components | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|------------|---------|--------------------|-----------------------------|
| benzene | 71-43-2 | 10 | 1000 |

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
 Germ cell mutagenicity

MBR® Utility Cement

Version 3.0

Revision Date 07/15/2021

Print Date 07/15/2021

Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

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

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

| | | |
|---------|---------|-----------|
| benzene | 71-43-2 | 0.1 - 1 % |
|---------|---------|-----------|

Clean Air Act

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 Intermediate or Final VOC's (40 CFR 60.489).

California Prop. 65

⚠️ WARNING: This product can expose you to chemicals including benzene, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to 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 : 07/15/2021

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.