

# SAFETY DATA SHEET

### 1. Identification

Product identifier	BM-45	
Other means of identification		
Brand Code	686B	
Recommended use	For Industrial Use Only	
Recommended restrictions	None known.	
Manufacturer/Supplier information		
Manufacturer		
Company name	HarbisonWalker International	
Address	1305 Cherrington Parkway, Suite 100	
	Moon Township, Pennsylvania	15108 US
Telephone	General Phone:	412-375-6600
Website	www.thinkHWI.com	
Emergency phone number	CHEMTREC 24 HOUR EMERGENCY #	1-800-424-9300

### 2. Hazard(s) identification

Label elements

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	



Signal word	Danger
Hazard statement	Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary statement	
Prevention	Do not breathe dust. Wash thoroughly after handling. Wear eye/face protection. Wear protective gloves/protective clothing/eye protection.
Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. Immediately call a poison center/doctor. Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Magnesium Oxide		1309-48-4	90 - 100
Silicon Dioxide		7631-86-9	2.5 - 10
Calcium Oxide		1305-78-8	1 - 2.5

Material name: BM-45

Chemical name	Common name and synonyms	CAS number	%
Diiron Trioxide		1309-37-1	1 - 2.5
Aluminium Oxide (Non-Fibrous)		1344-28-1	0.1 - 1

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures	
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing	Not available

Suitable extinguishing media	ose me-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Collect dust using a vacuum cleaner equipped with HEPA filter.
	Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water.
	Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

#### Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	s for Air Contaminants (29 CFR 1910.1 Type	Value	Form
Calcium Oxide (CAS 1305-78-8)	PEL	5 mg/m3	
Diiron Trioxide (CAS 1309-37-1)	PEL	10 mg/m3	Fume.
Magnesium Oxide (CAS 1309-48-4)	PEL	15 mg/m3	Total particulate.
US. OSHA Table Z-3 (29 Cl		Value	
Components	Туре	Value	
Silicon Dioxide (CAS 7631-86-9)	TWA	0.8 mg/m3 20 mppcf	
US. ACGIH Threshold Limi	it Values	20 11000	
Components	Туре	Value	Form
Calcium Oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Diiron Trioxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
Magnesium Oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide			_
Components	Туре	Value	Form
Calcium Oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Diiron Trioxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
Silicon Dioxide (CAS 7631-86-9)	TWA	6 mg/m3	
logical limit values	No biological exposure limits noted for	or the ingredient(s).	
propriate engineering atrols	Good general ventilation (typically 10 should be matched to conditions. If a or other engineering controls to main exposure limits have not been establ engineering measures are not suffici Occupational Exposure Limit (OEL), ground, cut, or used in any operation ventilation to keep exposures below to emergency shower must be available	pplicable, use process enclose tain airborne levels below reco ished, maintain airborne levels ent to maintain concentrations suitable respiratory protection which may generate dusts, use the recommended exposure lir e when handling this product.	ures, local exhaust ventilation ommended exposure limits. to an acceptable level. If of dust particulates below the must be worn. If material is a appropriate local exhaust
ividual protection measures Eye/face protection	s, such as personal protective equipm Wear safety glasses with side shields		4
2	wear succy glasses with side shield.		<i>.</i>
Skin protection Hand protection	Wear appropriate chemical resistant	gloves.	
Other	Wear appropriate chemical resistant clothing.		
Respiratory protection	Use a NIOSH/MSHA approved respine exceeding the exposure limits.	rator if there is a risk of exposu	ire to dust/fume at levels
Thermal hazards	Wear appropriate thermal protective	clothing, when necessary.	
	Always observe good personal hygie		<b>.</b>

#### 9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Solid Powder.

Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
10. Stability and reactivity	

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Phosphorus. Chlorine. Incompatibility is based strictly upon potential theoretical reactions between chemicals and may not be specific to industrial application exposure. Contact your sales representative for clarification.
Hazardous decomposition products	No hazardous decomposition products are known.

### 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing.
Information on toxicological effects	
Acute toxicity	Not available.

Serious eye damage/eye irritation	Causes serious eye damage.	
Respiratory or skin sensitization	1	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	This product is not considered to	o be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall E	Evaluation of Carcinogenicity	
Diiron Trioxide (CAS 1309-37-1)3 Not classifiable as to carcinogenicity to humans.Silicon Dioxide (CAS 7631-86-9)3 Not classifiable as to carcinogenicity to humans.US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		3 Not classifiable as to carcinogenicity to humans.
Not listed.		
Reproductive toxicity	This product is not expected to	cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be ha	ırmful.
12. Ecological information		
Ecotoxicity	The product is not classified as	environmentally hazardous. However, this does not exclude the

Ecotoxicity	possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

#### 13. Disposal considerations

Disposal instructions	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Hazardous waste code	Not applicable.
Waste from residues / unused products	Not available.
Contaminated packaging	Not available.

### 14. Transport information

#### DOT

Not regulated as dangerous goods.

#### ΙΑΤΑ

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

## Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

### 15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All chemical substances in this product are listed on the TSCA chemical substance inventory where required.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Not isfed. SARA 304 Emergency rolease notification Not regulated. US. OSH Aspecifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - No Fire Hazard - No Fire Hazard - No Fire Hazard - No Reactivity Hazard - No Reactivity Hazard - No Reactivity Hazard - No Chemical SARA 302 Extremely hazardous Not regulated. SARA 313 (TRI reporting) Not regulated. SARA 313 (TRI reporting) Not regulated. Clean Afr AC (CAA) Soction 112 (Practicus Air Polluttants (HAPs) List Not regulated. Not regulated. Clean Afr AC (CAA) Soction 112 (Practicus Air Polluttants (HAPs) List Not regulated. Safe Drinking Wate Act Not regulated. Safe Drinking Wate Act Not regulated. US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed. US. Not regulated. US. Not regulated. US. Not regulated. US. Not regulated. Safe Drinking Wate Act Not regulated. Safe Drinking Wate Act Not regulated. US. Saffornia Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed. US. Saffor Air Substance List Calcium Oxide (CAS 1309-74-1) Diron Trioxide (CAS 1309-74-1) Magnestium Oxide (CAS 1309-74-1) Silicon Dioxide (CAS 7319-8-9) Diron Trioxide (CAS 1309-74-1) Silicon Dioxide (CAS 7319-8-9) Diron Trioxide (CAS 1309-74-1) Silicon Dioxide (CAS 1309-74-1) Silicon Dioxide (CAS 1309-74-1) Silicon Dioxide (CAS 1309-74-1) Silicon Dioxide (CAS 1309-74-1) Magnestium Oxide (CAS 1309-74-1) Silicon Dioxide (CAS 1309-74-	CERCLA Hazardous Substa	ance List (40 CFR 302.4)		
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Clean Air Âct (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)       Not regulated.         Not regulated.       Safe Drinking Water Act (SDWA)       Not regulated.         US state regulations       US California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)         Not listed.       US. Massachusetts RTK - Substance List       US         Calicum Oxide (CAS 1309-78-8)       Diiron Tinoxide (CAS 7631-86-9)       US New Jersey Worker and Community Right-to-Know Act         Calcium Oxide (CAS 1309-78-8)       Diiron Tinoxide (CAS 7631-86-9)       US New Jersey Worker and Community Right-to-Know Act         Calcium Oxide (CAS 1309-78-8)       Diiron Tinoxide (CAS 1309-78-8)       US Nemoy Jersey Worker and Community Right-to-Know Act         Calcium Oxide (CAS 1309-78-8)       Diiron Tinoxide (CAS 1309-78-8)       US Nemoy Jersey Worker and Community Right-to-Know Law         Calcium Oxide (CAS 1309-78-8)       Diiron Tinoxide (CAS 1309-78-8)       US Nemoy Jersey Worker and Community Right-to-Know Law         Calcium Oxide (CAS 1309-78-8)       Diiron Tinoxide (CAS 1309-78-8)       US Nemoy Jersey Worker and Community Right-to-Know Law         Calcium Oxide (CAS 1309-78-8)       Silicon Dioxide (CAS 1309-78-8)       US Nehode Island RTK         Diiron Tinoxide (CAS 1309-78-8)       Silicon Dioxide (CAS 1309-78-8)       US Nehode Island RTK         Stilicon Dioxide (CAS 1309-78-8)       Silicon Dioxide (CA	Clean Air Act (CAA) Section	n 112 Hazardous Air Pollutants (HAPs) List		
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Safe Drinking Water Act (SDWA)       Not regulated.         US: State regulations       US: Cailfornia Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)         Not listed.       US: Massachusetts RTK - Substance List         US: Cailfornia Controlled (CAS 1305-78-8)       Diiron Trioxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-37-1)       Magnesium Oxide (CAS 7631-86-9)         US: New Jersey Worker and Community Right-to-Know Act       Calcium Oxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-37-1)       Magnesium Oxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-37-1)       Magnesium Oxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-37-1)       Magnesium Oxide (CAS 7631-86-9)         US: Pennsylvania Worker		n 112(r) Accidental Release Prevention (40 CFR 68.130)		
(SDWA) US state regulations US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed. US. Massachusetts RTK - Substance List Calcium Oxide (CAS 1305-78-8) Diiron Trioxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-37-1) Silicon Dioxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-38-1) Magnesium Oxide (CAS 1309-38-1) Magnesium Oxide (CAS 1309-38-1) Magnesium Oxide (CAS 1309-38-1) Magnesium Oxide (CAS 1309-38-1) Ma	•			
US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)         Not listed.         US. Massachusetts RTK - Substance List         Calcium Oxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1309-47-8)         Diron Trioxide (CAS 1309-47-8)         Diron Trioxide (CAS 1309-47-8)         Diron Trioxide (CAS 1309-47-8)         Silicon Dioxide (CAS 7631-86-9)         US. Pennsylvania Worker and Community Right-to-Know Law         Calcium Oxide (CAS 7631-86-9)         US. Rhode Island RTK         Not gulad.         VS. Rhode Island RTK         Not gulad.         Vs. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Propositio		Not regulated.		
Not listed. US. Massachusetts RTK - Substance List Calcium Oxide (CAS 1305-78-8) Diiron Trioxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 1400-100-1000-1000-1000-	US state regulations			
US. Massachusetts RTK - Subtrace List         Calcium Oxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-48-4)         Silicon Dioxide (CAS 1305-78-8)         Diiron Trioxide (CAS 1305-78-8)         Silicon Dioxide (CAS 1305-78-8)         Diron Trioxide (CAS 1305-78-8)         Silicon Dioxide (CAS 1305-78-8)	US. California Controlled Se	ubstances. CA Department of Justice (California Health and Safe	ety Code Section 11100)	
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Calcium Oxide (CAS 1305-78-8) Diiron Trioxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 7631-86-9)US. Pennsylvania Worker and Community Right-to-Know Law Calcium Oxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 7631-86-9)US. Rhode Island RTK Not regulated.VUS. California Proposition 65- California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently liste as carcinogens or reproductive toxins.International InventoriesOn inventory of Chemical Substances (AICS)CanadaDomestic Substances List (DSL)CanadaNon-Domestic Substances List (NDSL)ChinaInventory of Existing Chemical Substances in China (IECSC)EuropeEuropean Inventory of Existing Commercial ChemicalVesSubstances (EINECS)				
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Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 7631-86-9)         US. Pennsylvania Worker and Community Right-to-Know Law         Calcium Oxide (CAS 1305-78-8) Dirion Trioxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 7631-86-9)         US. Rhode Island RTK Not regulated.         VS. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.         International Inventories         Country(s) or region       Inventory name       On inventory (yes/no)* Australia       Yes         Canada       Domestic Substances List (DSL)       Yes         Canada       Non-Domestic Substances List (NDSL)       No         China       Inventory of Existing Chemical Substances in China (IECSC)       Yes         Europe       European Inventory of Existing Commercial Chemical       Yes				
Silicon Dioxide (CAS 7631-86-9) US. Pennsylvania Worker and Community Right-to-Know Law Calcium Oxide (CAS 1305-78-8) Diiron Trioxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 7631-86-9) US. Rhode Island RTK Not regulated. US. California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. Intermational Inventories Country(s) or region Inventory name On inventory (yes/no)* Australia Australian Inventory of Chemical Substances (AICS) Yes Canada Domestic Substances List (DSL) Yes Canada Non-Domestic Substances List (NDSL) No China Inventory of Existing Chemical Substances in China (IECSC) Yes Europe European Inventory of Existing Commercial Chemical Substances (EINECS)				
Calcium Oxide (CAS 1305-78-8) Diiron Trioxide (CAS 1309-37-1) Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 7631-86-9)         US. Rhode Island RTK Not regulated.         US. California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.         International Inventories         Country(s) or region       Inventory name       On inventory (yes/no)* Australia         Australia       Australian Inventory of Chemical Substances (AICS)       Yes         Canada       Domestic Substances List (DSL)       Yes         Canada       Non-Domestic Substances List (NDSL)       No         China       Inventory of Existing Chemical Substances in China (IECSC)       Yes         Europe       European Inventory of Existing Commercial Chemical       Yes	Silicon Dioxide (CAS 763	31-86-9)		
Diiron Trioxide (CAS 1309-37-1)         Magnesium Oxide (CAS 1309-48-4)         Silicon Dioxide (CAS 7631-86-9)         US. Rhode Island RTK         Not regulated.         US. California Proposition 65         California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.         International Inventories         Country(s) or region       Inventory name       On inventory (yes/no)*         Australia       Australian Inventory of Chemical Substances (AICS)       Yes         Canada       Domestic Substances List (NDSL)       No         China       Inventory of Existing Chemical Substances in China (IECSC)       Yes         Europe       European Inventory of Existing Commercial Chemical       Yes	•			
Magnesium Oxide (CAS 1309-48-4) Silicon Dioxide (CAS 7631-86-9)         US. Rhode Island RTK Not regulated.         US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.         International Inventories         Country(s) or region       Inventory name       On inventory (yes/no)*         Australia       Australian Inventory of Chemical Substances (AICS)       Yes         Canada       Domestic Substances List (DSL)       Yes         Canada       Non-Domestic Substances List (NDSL)       No         China       Inventory of Existing Chemical Substances in China (IECSC)       Yes         Europe       European Inventory of Existing Commercial Chemical Substances (EINECS)       Yes				
Silicon Dioxide (CAS 7631-86-9)         US. Rhode Island RTK         Not regulated.         US. California Proposition 65         California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.         International Inventories         Country(s) or region       Inventory name       On inventory (yes/no)*         Australia       Australian Inventory of Chemical Substances (AICS)       Yes         Canada       Domestic Substances List (DSL)       Yes         Canada       Non-Domestic Substances List (NDSL)       No         China       Inventory of Existing Chemical Substances in China (IECSC)       Yes         Europe       European Inventory of Existing Commercial Chemical       Yes	•	,		
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CanadaNon-Domestic Substances List (NDSL)NoChinaInventory of Existing Chemical Substances in China (IECSC)YesEuropeEuropean Inventory of Existing Commercial Chemical Substances (EINECS)Yes	Australia		Yes	
ChinaInventory of Existing Chemical Substances in China (IECSC)YesEuropeEuropean Inventory of Existing Commercial Chemical Substances (EINECS)Yes				
Europe European Inventory of Existing Commercial Chemical Yes Substances (EINECS)				
Substances (EINECS)				
Europe         European List of Notified Chemical Substances (ELINCS)         No	Europe		Yes	
	Europe	European List of Notified Chemical Substances (ELINCS)	No	

Material name: BM-45

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

Issue date	06-23-2015
Version #	01
Disclaimer	This information is based on our present knowledge on creation date. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.