

FLEXCEL

SECTION 1. IDENTIFICATION

Product Identifier	FLEXCEL
Other Means of Identification	SOL-FLEXCEL
Recommended Use	ACCELERATOR, used to modify reactivity time of the grout.
Manufacturer/Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249
Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249
Emergency Phone No.	Marc Charlebois, 514-705-7198, 24 Hrs/ 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
SDS No.	0263

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Label Elements



Signal Word:

Warning

Hazard Statement(s):

Toxic in contact with skin or if inhaled.

Harmful in contact with skin.

May be harmful if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep only in original packaging.

Keep cool.

Do not pierce or burn, even after use.

Do not breathe dust/fume/gas/mist/vapours/spray.

Do not get in eyes, on skin, or on clothing.

Wash hands and skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

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 INHALED: Call a POISON CENTRE/doctor/ if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

Eliminate all ignition sources if safe to do so.

Absorb spillage to prevent material damage.

Storage:

Store in accordance with local, regional, national and international regulations.

Store in a well-ventilated place. Keep container tightly closed.

Protect from sunlight.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Dibutyl maleate	105-76-0	>52	

Notes

>52% Aliphatic Tertiary Amine

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. For severe exposures get under safety shower after having removed clothing.

A soothing ointment could be applied after washing skin seek medical attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Immediately call a Poison Centre or doctor.

Ingestion

Do not induce vomiting. Have victim drink water or milk, if conscious if vomiting is inevitable, prevent aspiration by keeping the victims head below the knee avoid mouth-to-mouth contact by using a barrier device. Immediately call a Poison Centre or doctor.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled and/or swallowed: can cause severe irritation of the nose and throat. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Respiratory sensitizer. May cause asthma or an asthma-like reaction in some people. If on skin: may cause moderate to severe irritation. If in eyes: may cause moderate to severe irritation.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, lungs, respiratory system, skin.

Medical Conditions Aggravated by Exposure

Asthma, dermatitis, eye conditions, respiratory conditions, skin allergies.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

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Small fire: Carbon dioxide, dry chemical powder or appropriate foam. Large fire: Use foam or other suitable extinguishing agent.

Specific Hazards Arising from the Product

May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire hazard. Dusts and aerosols at sufficient concentrations may exhibit explosive characteristics if ignited by static discharge or spark.

May include but not limited to Carbon oxides.

Special Protective Equipment and Precautions for Fire-fighters

Wear full Bunker gear and respiratory protection (SCBA) Approach fire from upwind to avoid hazardous vapours or gases.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Eliminate all ignition sources if safe to do so. Dike area to prevent spreading.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: stop or reduce leak if safe to do so. Place used absorbent into suitable, covered, labelled containers for disposal. Absorb material with earth, sand or another non-combustible product. Do not touch the spilled product. Large spills or leaks: dike and recover contaminated water for appropriate disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing in this product. Do not get in eyes, on skin or on clothing. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Avoid ALL unprotected contact with this product or with contaminated equipment/surfaces. Use adequate ventilation and employ respiratory protection where dust or fumes may be generated do NOT eat, drink or store food in work areas. Remove contaminated clothing and protective equipment before entering eating areas or leaving work area.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated. Store in the original, labelled, shipping container. Store in a closed container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Dibutyl maleate	Not established		Not established			

Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Concentrations greater than TLV can occur when MDI is used in a poorly ventilated area. In such cases, or whenever concentrations of MDI exceed the TLV, respiratory protection must be worn. A supplied air respirator or a positive pressure self-contained breathing apparatus is recommended. In situations where MDI is not sprayed or heated and a supplied air or self-contained apparatus is unavailable or its use impractical, at least an air purifying respirator equipped with an organic cartridge and a particulate filter must be worn. However, this should be permitted only for short periods of time (less than one hour) at relatively low concentrations (at or near the TLV). However, due to the poor warning properties of MDI, proper fit and timely replacement of filter elements must be insured. Observe OSHA Regulations for respirator usage (29 CFR Part 1910.134). Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

When ventilation is inadequate wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Light yellow. Particle Size: Not available
Odour	Not available
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); -22 °C (-8 °F) (freezing)
Initial Boiling Point/Range	140 °F (60 °C)
Flash Point	> 300 °F (149 °C)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	< 0.1 mm Hg
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.921 at 68 °F (20 °C)
Solubility	Insoluble (less than 1 mg/L) in water; Soluble in all proportions in common organic solvents.
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); 15 centipoises at 68 °F (dynamic)
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available
Surface Tension	Not available
Critical Temperature	Not available
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

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None known.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid).

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Dibutyl maleate	< 5000 mg/m3 (rat) (4-hour exposure)	3730 mg/m3 (rat)	10010 mg/kg (rabbit)

Skin Corrosion/Irritation

May cause moderate or severe irritation based on information for closely related materials. Symptoms include pain, redness, and swelling.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials. The vapour also irritates the eyes. May cause cornea damage or blindness.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause respiratory tract irritation.

Skin Absorption

Can cause sensitization symptoms may include redness, rash, swelling and itching.

Ingestion

Severe irritation or burns to the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Respiratory and/or Skin Sensitization

Respiratory sensitizer. May cause severe asthma-like symptoms (respiratory sensitization) based on information for closely related chemicals. Skin sensitizer. May cause an allergic reaction (skin sensitization) based on limited evidence.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long term adverse effects in aquatic environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Do not dispose into drains, waterways or sewers.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Product is included on DSL(INVENTORY).

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 3	Flammability - 1	Instability - 0
SDS Prepared By	BMQ SOLUTIONS		
Phone No.	877-267-7249		
Date of Preparation	juillet 01, 2016		
Date of Last Revision	juillet 01, 2016		
Key to Abbreviations	ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation. IARC = International Agency for Research on Cancer NFPA = National Fire Prevention Association NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration		
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).		
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