

# MATERIAL SAFETY DATA SHEET

Revision #: 03

## Section 1 - Product Identification & Use

Product Name: **Dolomite**  
 Synonyms: **Magnesium carbonate**  
 WHMIS Classification: Not WHIM controlled  
 TDG Classification: Not regulated  
 Supplier: Advance Chemicals Ltd.  
 2023 Kingsway Avenue  
 Port Coquitlam, B.C. V3C 1S9  
 Phone: (604) 945-9666,  
 fax: (604) 945-9617  
 Emergency phone: CANUTEC 24 hrs (613) 996-6666

## Section 2 - Hazardous Ingredients

Hazardous Components	%(w/w)	C.A.S. No.	LD <sub>50</sub> & LC <sub>50</sub>
Calcium carbonate	50-60	471-34-1	N/A
Magnesium carbonate	40-50	546-93-0	N/A
Free crystalline silica	<1	14808-60-7	N/A

## Section 3 - Physical Data

Physical state: solid  
 Boiling point: N/A  
 Specific Gravity (Water = 1): 2.71  
 pH 10% solid: 8.5-9.5  
 Freezing point: N/A  
 Evaporation rate: N/A  
 Solubility in water: Negligible  
 Vapour pressure: N/A  
**Odour & Appearance:** Odourless, white powder.

## Section 4 - Fire or Explosion Hazard

**Flammability:** The product is not considered to be flammable.  
**Extinguishing media:** Non-Flammable.  
**Hazardous Combustion/Decomposition Products:** None

## Section 5 - Reactivity Data

**Stability:** Stable.  
**Incompatible substances:** Contact with acids will release carbon dioxide gas.  
**Polymerization:** Will not occur.  
**Hazardous decomposition products:** None.

## Section 6 - Toxicological Properties

**Inhalation:** Chronic and/or excessive exposure may produce x-ray evidence of dust in the lungs. Continued over-exposure may effect respiratory function in some individuals.  
**Skin contact:** May irritate skin.  
**Eye contact:** May irritate or burn eyes.  
**Ingestion:** May cause nausea, vomiting, stomach ache and diarrhea.  
**Exposure Limits:** TLV limestone 10mg/m<sup>3</sup>  
 TLV crystalline silica 0.1 mg/m<sup>3</sup>

## Section 7 - Preventative Measures

**Personal Protective Equipment:** Avoid contact with skin and eyes. Wear chemical protective gloves, goggles and face shield, rubber apron and boots. Eye wash fountains and safety shower facilities should be provided nearby for emergency use.  
**Respiratory protection:** Use an NIOSH/MSHA approved air purifying, dust, mist and particulate respirator.  
**Action to take for spills & leaks:** Wear chemical protective clothing, rubber gloves and suitable respiratory protection. Remove by dry cleanup methods that minimize the dispersion of dust and dispose of in government approved waste containers. Avoid breathing in the dust. Keep product out of sewers, storm drains, surface run-off water and soil. Restrict access to non-protected personnel. Comply with all government regulations on spill reporting, and handling and disposal of waste.  
**Disposal methods:** Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, provincial and local regulatory agencies to ascertain proper disposal procedures.  
**Storage & Handling Precautions:** Store in a dry environment. Minimize dust exposure.  
**Repair and Maintenance Precautions:** None.

## Section 8 - First Aid Measures

**If inhaled:** Remove victim to fresh air. Give artificial respiration if not breathing. Get immediate emergency medical attention. Keep patient warm and at rest.  
**In case of eye contact:** Immediately flush eyes with clean water for at least twenty (20) minutes, lifting the upper and lower eye lids to ensure complete flushing action of the eyeball. Get immediate emergency medical attention. Do not transport victim until the recommended flushing period has been completed, unless eye flushing can be carried out during transport.  
**In case of skin contact:** Immediately flush skin with plenty of clean running water for at least twenty (20) minutes. Remove contaminated clothing and shoes. If irritation persists, get emergency medical attention. Wash and launder clothes before re-use.  
**In case of ingestion or swallowing:** If victim is conscious, dilute stomach contents by giving large amounts of water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. GET IMMEDIATE EMERGENCY MEDICAL ATTENTION.

## Section 9 - Preparation Information

Advance Chemicals Limited expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided. The information contained herein is offered only as a guide to the handling of this specific product, and has been prepared in good faith by technically knowledgeable personnel. This M.S.D.S. is not intended to be all inclusive, and the manner and conditions of use may involve other and additional considerations.  
 Prepared: 21 July, 1995.  
 Revised: 12 January, 1999; 28 September, 2001; 31 August, 2006