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**HEALTH AND SAFETY DATA**

**SUBSTANCE IDENTIFICATION**

**PRODUCT NAME : LIMESTONE AND CARBONATE GRANULES AND  
POWDERS.**

**COMPOSITION**

**CHEMICAL NAME : LIMESTONE**

**CHEMICAL DESCRIPTION : CALCIUM CARBONATE**

**CAS NO : 1317 – 65 – 3**

**EINECS – NR : 215 – 279 – 6**

**WEIGHT % : >97**

**IDENTIFICATION HAZARDS**

**THIS PRODUCT CONTAINS NO SUBSTANCES CLASSIFIED AS BEING HAZARDOUS TO  
HEALTH BY EC DIRECTIVE.**

**FIRST AID MEASURES**

**INHALATION : REMOVE FROM EXPOSURE INTO FRESH AIR. IN CASES OF SERIOUS  
EXPOSURE, SEEK MEDICAL ADVICE.**

**SKIN CONTACT : WASH OFF WITH PLENTY OF CLEAN WATER.**

**EYE CONTACT : BATHE EYES WITH PLENTY OF WATER. IN CASES INVOLVING  
IRRITATION, SEEK MEDICAL ADVICE.**

**INGESTION : WASH OUT MOUTH WITH CLEAN WATER. IN CASES OF DISCOMFORT,  
SEEK MEDICAL ADVICE.**

**FIRE FIGHTING MEASURES**

**NO SPECIAL PRECAUTION REQUIRED.**

**ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS : NO SPECIAL PRECAUTIONS ARE REQUIRED.**

**ENVIRONMENTAL PRECAUTIONS : NO SPECIAL ENVIRONMENTAL PRECAUTIONS ARE REQUIRED.**

**METHODS FOR DEALING WITH SPILLAGE : SWEEP/SHOVEL MATERIAL INTO SUITABLE SACKS OR CONTAINERS FOR DISPOSAL.**

#### **HANDLING AND STORAGE METHODS**

**HANDLING : NORMAL PRECAUTIONS FOR THE HANDLING OF CHEMICALS SHOULD BE APPLIED.**

**STORAGE : STORE IN A DRY, WELL VENTILATED AREA. KEEP PACKAGES AND CONTAINERS TIGHTLY CLOSED. DO NOT STORE NEAR ACIDS.**

#### **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**CHEMICAL NAME : LIMESTONE**

**NATIONAL OCCUPATIONAL EXPOSURE LIMITS : TWA 10mg/m<sub>3</sub> (TOTAL DUST)**

**PERSONAL PROTECTION EQUIPMENT : THE USE OF GLOVES AND EYE PROTECTION IS RECOMMENDED.**

**RESPIRATORY PROTECTION : A DUST MASK SHOULD BE USED WHEN HANDLING THE MATERIAL.**

**HYGIENE MEASURES : THE MATERIAL SHOULD ONLY BE HANDLED IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.**

#### **PHYSICAL AND CHEMICAL PROPERTIES**

**FORM : POWDER**

**COLOUR : GREY WHITE TO WHITE**

**ODOUR : NONE**

**RELATIVE DENSITY : 2.6 TO 2.8 gm/cm<sub>3</sub> (AT 20 DEGREES C)**

**SOLUBILITY : INSOLUBLE IN WATER AT NORMAL TEMPERATURES AND PRESSURES.**

#### **STABILITY AND REACTIVITY**

**STABILITY : STABLE IN NORMAL CONDITIONS.**

**REACTIVITY : REACTS WITH ACIDS. CAN FORM CO<sub>2</sub> AS PART OF REACTION PROCESS.**

**HARARDOUS DECOMPOSITION PRODUCTS : NONE**

**TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY : LLD50/ORAL/RAT :- MORE THAN 5000 mg/kg**

**LOCAL EFFECTS : MILD IRRITATION OF THE EYES.**

**ECOLOGICAL INFORMATION**

**PERSISTENCE AND DEGRADABILITY : CALCIUM CARBONATE WILL NOT BIODEGRADE.**

**ECOTOXICITY : THE SUBSTANCE OCCURS NATURALLY IN ITS DISSOLVED STATE AS AN INDISPENSABLE PART OF NATURAL WATERS. UNFAVOURABLE ENVIRONMENTAL EFFECTS CAN BE EXCLUDED.**

**DISPOSAL CONSIDERATIONS**

**WASTE RESIDUES AND UNUSED PRODUCTS : DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH LOCAL AND/OR NATIONAL REGULATIONS. FOR MORE INFORMATION, CONTACT THE LOCAL WASTE DISPOSAL SERVICE PROVIDER.**

**REGULATORY INFORMATION**

**THE EUROPEAN DIRECTIVE ON THE CLASSIFICATION OF HAZARDOUS PREPARATIONS LISTS THIS MATERIAL AS 90/492/EEC.**

**OTHER INFORMATION**

**EUROPE/EG ECOIN LISTED UNDER CAS – NO. 471 – 34 – 1**

**EINECS LISTED UNDER NO. 207 – 439 – 9 AND 215 – 279 6**

**CAPAC NO. 106400 1. 2a**

**USA : TSCA INVENTORY LISTED UNDER CAS NO. 1317 – 65 – 3 AND 471 – 34 – 3**

**FDA : CALCIUM CARBONATE/LIMESTONE ARE GRAS.**

**LIMESTONE IS A NATURALLY OCCURING SUBSTANCE AND IS EXEMPT FROM PDSL.**

**THE INFORMATION PROVIDED BY THIS SAFETY DATA SHEET IS, TO THE BEST OF THE COMPANYS KNOWLEDGEAND BELIEF, CORRECT. THE CONTENTS OF THE DOCUMENT ARE DESIGNED TO GIVE GUIDANCE ON THE SAFE STORAGE, TRANSPORTATION, HANDLING, USE, PROCESSING, DISPOSAL AND RELEASE OF THE MATERIAL SPECIFIED. IT MAY NOT NECESSARILY BE VALID FOR THE MATERIAL IF IT IS USED IN CONJUNCTION WITH ANY OTHER MATERIALS NOT SPECIFIED IN THE TEXT. IN SUCH CASES, OR WHERE DOUBT OCCURS, FURTHER INFORMATUION SHOULD BE SOUGHT FROM THE RELEVANT SOURCES.**

**OCTOBER 1999**