

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

---

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### PRODUCT IDENTIFIER

TRADE NAME : BETOFLOW D-CL  
PRODUCT CODE : 7020300  
REGISTRATION NUMBER : EXEMPTED ANNEX V  
SUBSTANCE NAME : CALCIUMCARBONATE GCC F POWDER

#### RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

USE OF THE SUBSTANCE/MIXTURE : BUILDING AND CONSTRUCTION WORK, MANUFACTURE OF CEMENT MIXING, FILLING  
BUILDING AND CONSTRUCTION MIXTURES NOT COVERED ELSEWHERE, ADDITIVE, FILLER OR PIGMENT  
RECOMMENDED RESTRICTIONS ON USE : RESERVED FOR INDUSTRIAL AND PROFESSIONAL USE., OTHER INDUSTRIES NOT MENTIONED ARE EXCLUDED.

FURTHER "REACH" RELATED INFORMATION SEE ANNEX (E-SDS).

#### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

COMPANY : OMYA NETHERLANDS BV  
MIDDENWEG  
4782 PM MOERDIJK  
TELEPHONE : +31168334000  
TELEFAX : +31168334001  
EMERGENCY TELEPHONE NUMBER : +41613192837  
E-MAIL ADDRESS : SDB.CH@OMYA.COM  
LEAD ORGANISATION : OMYA INTERNATIONAL LTD, GROUP REGULATORY AFFAIRS, 4665 OFTRINGEN,  
SWITZERLAND

---

### 2. HAZARDS IDENTIFICATION

#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (REGULATION (EC) No 1272/2008)

NOT A HAZARDOUS SUBSTANCE OR MIXTURE ACCORDING TO REGULATION (EC) No. 1272/2008.

CLASSIFICATION (67/548/EEC, 1999/45/EC)

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

NOT A HAZARDOUS SUBSTANCE OR MIXTURE ACCORDING TO EC-DIRECTIVES 67/548/EEC OR 1999/45/EC.

### LABEL ELEMENTS

LABELLING (REGULATION (EC) No 1272/2008)

NOT A HAZARDOUS SUBSTANCE OR MIXTURE ACCORDING TO REGULATION (EC) No. 1272/2008.

LABELLING ACCORDING TO EC DIRECTIVES (1999/45/EC)

FURTHER INFORMATION : THE PRODUCT DOES NOT NEED TO BE LABELLED IN ACCORDANCE WITH EC DIRECTIVES OR RESPECTIVE NATIONAL LAWS.

### OTHER HAZARDS

NO INFORMATION AVAILABLE.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### SUBSTANCES

NO DANGEROUS INGREDIENTS ACCORDING TO REGULATION (EC) No. 1907/2006

WEL SUBSTANCE :		
LIMESTONE	1317-65-3 215-279-6	>= 85 - < 100

## 4. FIRST AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

- IF INHALED : MOVE TO FRESH AIR IN CASE OF ACCIDENTAL INHALATION OF DUST OR FUMES FROM OVERHEATING OR COMBUSTION.  
IF SYMPTOMS PERSIST, CALL A PHYSICIAN.
- IN CASE OF SKIN CONTACT : TAKE OFF CONTAMINATED CLOTHING AND SHOES IMMEDIATELY.  
WASH OFF WITH SOAP AND PLENTY OF WATER.
- IN CASE OF EYE CONTACT : FLUSH EYES WITH WATER AS A PRECAUTION.  
REMOVE CONTACT LENSES.  
PROTECT UNHARMED EYE.  
KEEP EYE WIDE OPEN WHILE RINSING.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

---

IF SWALLOWED : CLEAN MOUTH WITH WATER AND DRINK AFTERWARDS PLENTY OF WATER.  
DO NOT GIVE MILK OR ALCOHOLIC BEVERAGES.  
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

---

### 5. FIREFIGHTING MEASURES

#### EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA : USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

#### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

SPECIFIC HAZARDS DURING FIREFIGHTING : DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES.

#### ADVICE FOR FIREFIGHTERS

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS : IN THE EVENT OF FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS.  
FURTHER INFORMATION : COLLECT CONTAMINATED FIRE EXTINGUISHING WATER SEPARATELY. THIS MUST NOT BE DISCHARGED INTO DRAINS.  
FIRE RESIDUES AND CONTAMINATED FIRE EXTINGUISHING WATER MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

---

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS : AVOID DUST FORMATION.

#### ENVIRONMENTAL PRECAUTIONS

ENVIRONMENTAL PRECAUTIONS : DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM.

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

---

METHODS FOR CLEANING UP

- : SWEEP UP AND SHOVEL.  
KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.
- 

### 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

ADVICE ON SAFE HANDLING

- : FOR PERSONAL PROTECTION SEE SECTION 8.  
NO SPECIAL HANDLING ADVICE REQUIRED.  
DISPOSE OF RINSE WATER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION

- : AVOID DUST FORMATION.  
PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS

- : KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

ADVICE ON COMMON STORAGE

- : DO NOT STORE NEAR ACIDS.

GERMAN STORAGE CLASS

- : 13 NON COMBUSTIBLE SOLIDS

OTHER DATA

- : KEEP IN A DRY PLACE.  
NO DECOMPOSITION IF STORED AND APPLIED AS DIRECTED.

SPECIFIC END USE(S)

SPECIFIC USE(S)

- : CONSTRUCTIONAL ARTICLES AND BUILDING MATERIAL FOR OUTDOOR USE: WALL CONSTRUCTION MATERIAL, ROAD SURFACE MATERIAL, CERAMIC, METAL, PLASTIC AND WOOD CONSTRUCTION MATERIAL, INSULATING MATERIAL
- 

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

GERMANY

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

FRANCE

COMPONENTS	CAS-No.	VALUE	CONTROL PARAMETERS	UPDATE	BASIS
LIMESTONE	1317-65-3	VME	10 MG/M3	2007-12-01	FR VLE

SWITZERLAND

COMPONENTS	CAS-No.	VALUE	CONTROL PARAMETERS	UPDATE	BASIS
LIMESTONE	1317-65-3	TWA	3 MG/M3	2007-01-01	CH SUVA

ITALY

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

SWEDEN

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

NORWAY

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

FINLAND

COMPONENTS	CAS-No.	VALUE	CONTROL PARAMETERS	UPDATE	BASIS
LIMESTONE	1317-65-3	HTP- ARVOT 8H	10 MG/M3	2007-08-09	FI OEL

UNITED KINGDOM

COMPONENTS	CAS-No.	VALUE	CONTROL PARAMETERS	UPDATE	BASIS
LIMESTONE	1317-65-3	TWA	10 MG/M3	2007-08-01	GB EH40
		TWA	4 MG/M3	2007-08-01	GB EH40

AUSTRIA

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

EXPOSURE CONTROLS

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

### PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION : WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS. HALF MASK WITH A PARTICLE FILTER P2 (EN 143).
- HAND PROTECTION : FOR PROLONGED OR REPEATED CONTACT USE PROTECTIVE GLOVES.
- EYE PROTECTION : SAFETY GLASSES
- SKIN AND BODY PROTECTION : PROTECTIVE SUIT
- HYGIENE MEASURES : GENERAL INDUSTRIAL HYGIENE PRACTICE.
- ENVIRONMENTAL EXPOSURE CONTROLS
- GENERAL ADVICE : DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE : SOLID AT 20 °C (1.013 hPa)
- FORM : POWDER
- ODOUR : CHARACTERISTIC
- FLASH POINT : DOES NOT FLASH
- FLAMMABILITY (SOLID, GAS) : THE PRODUCT IS NOT FLAMMABLE.
- BURNING NUMBER : 1
- PH : 8,5 - 9,5  
AT 100,00 g/L  
20 °C  
METHOD: DIN-ISO 787/9
- MELTING POINT/RANGE : > 800 °C

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

---

	AT 1.013 hPa
BOILING POINT/BOILING RANGE	:
VAPOUR PRESSURE	: NOT APPLICABLE
DENSITY	: 2,6 - 2,8 g/cm <sup>3</sup> AT 20 °C (1.013 hPa) METHOD: DIN-ISO 787/10
WATER SOLUBILITY	: 0,014 g/L AT 20 °C AT 1.013 hPa
	0,018 g/L AT 75 °C AT 1.013 hPa
PARTITION COEFFICIENT: N- OCTANOL/WATER	: POW: < 1 ESTIMATED

---

### 10. STABILITY AND REACTIVITY

#### REACTIVITY

STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

#### CHEMICAL STABILITY

NO DECOMPOSITION IF STORED AND APPLIED AS DIRECTED.

#### POSSIBILITY OF HAZARDOUS REACTIONS

- |                     |   |  |
|---------------------|---|--|
| HAZARDOUS REACTIONS | : | STABLE UNDER RECOMMENDED STORAGE CONDITIONS., NO DECOMPOSITION IF USED AS DIRECTED.  |
|                     | : | REACTS WITH ACIDS. IT FORMS CARBON DIOXIDE (CO <sub>2</sub> ). THIS DISPLACES THE OXYGEN IN THE AIR IN CLOSED SPACES. (DANGER OF SUFFOCATION). |

#### CONDITIONS TO AVOID

- |                     |   |                   |
|---------------------|---|-------------------|
| CONDITIONS TO AVOID | : | NO DATA AVAILABLE |
|---------------------|---|-------------------|

#### HAZARDOUS DECOMPOSITION PRODUCTS

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

---

THERMAL DECOMPOSITION : > 600 °C

---

### 11. TOXICOLOGICAL INFORMATION

#### INFORMATION ON TOXICOLOGICAL EFFECTS

##### ACUTE TOXICITY

ACUTE ORAL TOXICITY : LD50 ORAL: > 5.000 MG/KG  
SPECIES: RAT

##### SKIN CORROSION/IRRITATION

SKIN IRRITATION : ACCORDING TO THE CLASSIFICATION CRITERIA OF THE EUROPEAN UNION, THE PRODUCT IS NOT CONSIDERED AS BEING A SKIN IRRITANT.

##### SERIOUS EYE DAMAGE/EYE IRRITATION

EYE IRRITATION : ACCORDING TO THE CLASSIFICATION CRITERIA OF THE EUROPEAN UNION, THE PRODUCT IS NOT CONSIDERED AS BEING AN EYE IRRITANT.

##### RESPIRATORY OR SKIN SENSITISATION

SENSITISATION : NO DATA AVAILABLE

FURTHER INFORMATION : NO DATA AVAILABLE

---

### 12. ECOLOGICAL INFORMATION

#### TOXICITY

TOXICITY TO FISH : NO DATA AVAILABLE

TOXICITY TO DAPHNIA AND OTHER  
AQUATIC INVERTEBRATES : NO DATA AVAILABLE

TOXICITY TO ALGAE : NO DATA AVAILABLE

#### PERSISTENCE AND DEGRADABILITY

---



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

---

BIODEGRADABILITY : NOT APPLICABLE

### OTHER ADVERSE EFFECTS

ADDITIONAL ECOLOGICAL INFORMATION : IN SOLID STATE THESE MINERALS ARE A MAJOR PART OF THE ROCKS OF THE EARTH'S SURFACE. THEY ARE DISSOLVED IN A NATURAL STATE AND INDISPENSABLE PART OF THE NATURAL WATERS. THESE MINERALS ARE NOT BIODEGRADABLE. NEGATIVE EFFECTS ON THE ENVIRONMENT SHOULD THEREFORE BE EXCLUDED.

---

### 13. DISPOSAL CONSIDERATIONS

#### WASTE TREATMENT METHODS

PRODUCT : OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY.

CONTAMINATED PACKAGING : EMPTY REMAINING CONTENTS. EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL.

---

### 14. TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

---

### 15. REGULATORY INFORMATION

#### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

MAJOR ACCIDENT HAZARD LEGISLATION : 96/82/EC UPDATE: 2003  
DIRECTIVE 96/82/EC DOES NOT APPLY

WATER CONTAMINATING CLASS : WGK 2 WATER ENDANGERING

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## 7020300 BETOFLOW D-CL

Version 1.0

Revision Date 13.12.2012

Print Date 18.04.2013

CLP\_EU

---

(GERMANY)

---

### 16. OTHER INFORMATION

FURTHER INFORMATION

OTHER INFORMATION

: THIS SAFETY DATASHEET ONLY CONTAINS INFORMATION RELATING TO SAFETY AND DOES NOT REPLACE ANY PRODUCT INFORMATION OR PRODUCT SPECIFICATION.

SOURCES OF KEY DATA USED TO  
COMPILE THE SAFETY DATA SHEET

: INFORMATION TAKEN FROM REFERENCE WORKS AND THE LITERATURE.

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.

---

FOR THIS PRODUCT AN EXPOSURE SCENARIO IS NOT REQUIRED.