

## SAFETY DATA SHEET

### SAFE-CARB (All Grades)

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME                      SAFE-CARB (All Grades)

APPLICATION                        Weighting agent. Lost circulation material. Bridging material.

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#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CALCIUM CARBONATE	207-439-9	471-34-1	60-100%	-
QUARTZ, CRYSTALLINE SILICA	238-878-4	14808-60-7	<1%	Xn;R20.

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

This product contains a small quantity of quartz, crystalline silica. Prolonged and repeated exposure to concentrations of crystalline silica exceeding the maximum exposure limit may lead to chronic lung disease such as silicosis. Because of quantity and composition, the health hazard is small. The data shown is in accordance with the latest EC Directives.

#### 3 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

##### INGESTION

First aid is not normally required. Rinse mouth thoroughly. Drink plenty of water.

##### SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

##### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

High concentrations of dust may form explosive mixture with air.

##### SPECIFIC HAZARDS

The product is non-combustible. If heated, toxic vapours may be formed. such as, Carbon monoxide (CO). and Carbon dioxide (CO<sub>2</sub>).

##### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**SAFE-CARB (All Grades)****6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter drains, sewers or watercourses.

**SPILL CLEAN UP METHODS**

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Do not use contact lenses. Provide good ventilation. Avoid handling which leads to dust formation.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry and cool place.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
CALCIUM CARBONATE	WEL		4 mg/m3 resp.dust		
QUARTZ, CRYSTALLINE SILICA	WEL		0.3 mg/m3		

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits NUI = Nuisance dust, WEL TWA 4mg/m3 Respirable Dust, 10 mg/m3 Total Dust. The quartz component of this product is currently being reviewed by the (UK) HSE. As a result they have issued Chemical Hazard Alert Notice 35. It states that although the present limit is set at 0.3mg/m3 (8-hour TWA) employers should aim to control exposure to 0.1mg/m3 (8-hour TWA) or below, until the new guidelines are issued.

**PROTECTIVE EQUIPMENT****ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**RESPIRATORY EQUIPMENT**

Respiratory protection must be used if air contamination exceeds acceptable level. Dust filter P3 (for especially fine dust/powder).

**HAND PROTECTION**

Use protective gloves made of: Rubber or plastic.

**EYE PROTECTION**

Wear dust resistant safety goggles where there is danger of eye contact.

**OTHER PROTECTION**

Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash station.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE Powder, dust

COLOUR White / off-white

ODOUR Odourless

SOLUBILITY Insoluble in water

RELATIVE DENSITY 2.9 g/cm3

pH-VALUE, DILUTED SOLUTION 8.5-9.5 100g/l @ 20°C

DECOMPOSITION TEMPERATURE 825°C  
(°C)

**SAFE-CARB (All Grades)****10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**MATERIALS TO AVOID**

Strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS**

The product is non-combustible. If heated, toxic vapours may be formed, such as, Carbon monoxide (CO), and Carbon dioxide (CO<sub>2</sub>).

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Dust may irritate respiratory system or lungs.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Powder may irritate skin.

**EYE CONTACT**

Particles in the eyes may cause irritation and smarting.

**HEALTH WARNINGS**

This product contains a small quantity of quartz. Prolonged and repeated exposure by inhalation to concentrations of crystalline silica exceeding the maximum exposure limit may lead to chronic lung disease such as silicosis. Because of quantity and composition, the health hazard is small.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Contact M-I Swaco's QHSE Department for ecological information.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15 REGULATORY INFORMATION****RISK PHRASES**

NC Not classified.

**SAFETY PHRASES**

NC Not classified.

**UK REGULATORY REFERENCES**

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations

**EU DIRECTIVES**

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40. IARC Monographs, Vol.68, 1997.

**16 OTHER INFORMATION**

## SAFE-CARB (All Grades)

### GENERAL INFORMATION

HMIS Health - 1 HMIS Flammability - 0 HMIS Physical Hazard - 0 E - Safety glasses, Gloves, Dust Respirator

### INFORMATION SOURCES

Material Safety Data Sheet, Misc. manufacturers. Product information provided by the commercial vendor(s). European Chemicals Bureau - ESIS (European Chemical Substances Information System).

### REVISION COMMENTS

General revision. Revised by Bill Cameron

### ISSUED BY

Dr. Kirsty Walker

REVISION DATE 29-09-06

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### RISK PHRASES IN FULL

R20 Harmful by inhalation.

### DISCLAIMER

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