

**SAFETY DATA SHEET  
GRAPHITE**

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

PRODUCT NAME                   GRAPHITE  
 APPLICATION                   Oil well drilling fluid additive.  
 SUPPLIER                        Agri-Empresa, LLC  
                                       6001 W Industrial Ave  
                                       Midland, TX 79706

EMERGENCY TELEPHONE       (432) 694-1994

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
GRAPHITE	231-965-3	7782-42-5	60-100%	-
QUARTZ, CRYSTALLINE SILICA	238-878-4	14808-60-7	<5.0%	Xn;R20.

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

**COMPOSITION COMMENTS**

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.

**HUMAN HEALTH**

This product contains a small quantity of quartz. IARC Monographs, Vol.66, 1997, concludes that there is sufficient evidence that inhaled crystalline silica in the form of quartz or cristobalite from occupational sources causes cancer in humans. IARC classification Group 1. Because of quantity and composition, the health hazard is small.

**4 FIRST-AID MEASURES**

**INHALATION**

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

**INGESTION**

Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

**SKIN CONTACT**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

**EYE CONTACT**

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

**5 FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Water spray, foam, dry powder or carbon dioxide.

**SPECIFIC HAZARDS**

Fire or high temperatures create: Oxides of: Carbon.

**PROTECTIVE MEASURES IN FIRE**

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

**6 ACCIDENTAL RELEASE MEASURES**

**GRAPHITE**

**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**

Shovel into dry containers. Cover and move the containers. Flush the area with water.

**7. HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Avoid inhalation of dust and contact with skin and eyes.

**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
GRAPHITE	WEL		4 mg/m3 resp.dust		
QUARTZ, CRYSTALLINE SILICA	WEL		0.1 mg/m3		

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. Wear mask supplied with: Dust filter P2 (for fine dust).

**HAND PROTECTION**

Protective gloves are recommended. Rubber, neoprene or PVC.

**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	Solid
COLOUR	Grey to Black
ODOUR	Odourless
SOLUBILITY	Insoluble in water
BULK DENSITY	2.20-2.35

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable under normal temperature conditions and recommended use.

**MATERIALS TO AVOID**

Strong oxidising agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**

## GRAPHITE

**11 TOXICOLOGICAL INFORMATION**

## INHALATION

Dust may irritate throat and respiratory system and cause coughing.

## INGESTION

Irritating. May cause nausea, stomach pain and vomiting.

## SKIN CONTACT

Prolonged and frequent contact may cause redness and irritation.

## EYE CONTACT

Particles in the eyes may cause irritation and smarting.

**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. IARC Monographs, Vol.68, 1997.

## EU DIRECTIVES

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

## GUIDANCE NOTES

Workplace Exposure Limits EH40.

**16 OTHER INFORMATION**

## GENERAL INFORMATION

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

## INFORMATION SOURCES

Product information provided by the commercial vendor(s). IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Silica, Some Silicates, Coal Dust, and para-Aramid Fibrils, Vol. 68, World Health Organization, Lyon, France, 1997. Material Safety Data Sheet, Misc. manufacturers.

## REVISION COMMENTS

This is first issue. Compiled or revised by Sandra McWilliam

## ISSUED BY

Dr. Kirsty Walker

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20-02-07

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## RISK PHRASES IN FULL

NC Not classified.