

## Safety Data Sheet

PRODUCT CODE: **KCM019**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**High Density Coarse Particles: KCM019**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

HMIS rating:

Health 0; Flammability 0; Reactivity 0

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Iron oxide	60% - 100%	1332-37-2

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Autoflammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None

Combustion products: see Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.

See Section 8 for protective equipment information.

See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.

Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.

Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).

Eye protection: Chemical splash goggles.

Hand protection: None required

Skin protection: Clean, body-covering clothing.

Exposure Limit Guidelines (mg/m<sup>3</sup>)

No components have established exposure limits.

Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Power

Color: Black

Odor: None

pH value: Not applicable

Boiling point: Not determined

Pour point: Not determined

Flash point: Not combustible

Flammability (explosion limits in air):

Lower: Not applicable

Upper: Not applicable

Auto flammability (auto-ignition temperature): Not applicable

Vapor pressure: Not applicable

Relative density (specific gravity): 4.80-5.20

Solubility in water: Insoluble

Viscosity: Not applicable

Relative vapor density (air=1): Not applicable

% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable

Conditions to avoid: Unknown

Materials to avoid: Unknown

Hazardous Polymerization: Not applicable

Dust explosion hazard (solids): Not applicable

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Special hazards: None  
Hazardous decomposition products: None

### **11. TOXICOLOGICAL INFORMATION**

Eye contact: May cause mechanical irritation.  
Skin contact: No effect expected.  
Inhalation: Mildly irritating  
Ingestion: No effect expected.  
Carcinogenicity: This product is not considered to be a human or animal carcinogen.  
Mutagenicity: Not known to cause heritable genetic damage.  
Teratogenicity: Not known to cause birth defects.  
Target organs which may be affected: Lung  
Sensitization: Not known to cause allergic reaction.  
Other: No information

### **12. ECOLOGICAL INFORMATION**

Information on product as a whole:  
Main environmental hazards: None known  
Degradability: Not applicable

### **13. DISPOSAL CONSIDERATIONS**

Product: Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.  
Container: Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

### **14. TRANSPORT INFORMATION**

UN Number: None  
IMO Description: Not regulated  
Class:  
Package Group:  
Label:  
EMS:  
MFAG:  
IATA Description: Not regulated  
Class:  
Sub Risk:  
Package Group:  
Label:  
ADR Description: Not regulated  
ADR class/item:  
ADR Danger ID:

### **15. REGULATORY INFORMATION**

Symbols: None  
Irritant  
Risks: None  
Safety advice: No special precaution required.

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Notification/restrictions status:

EUROPEAN UNION (EU):

All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.

NORWAY:

Not determined.

USA:

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM020**

Effective Date: December-2023

Version:3.0

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

Identification of the substance or preparation:

**Medium Density Coarse Particles: KCM020**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

HMIS rating:

Health 0; Flammability 0; Reactivity 0

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Silicon Oxide	60 - 100	

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

Slick when wet.

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature): Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None

Combustion products:

see Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure Limit Guidelines (mg/m<sup>3</sup>)  
No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: Gray  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto flammability (auto-ignition temperature): Not applicable  
Vapor pressure: Not applicable  
Relative density (specific gravity): 2.59-2.79  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Inhalation:	Mildly irritating.
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Sensitization:	Not known to cause allergic reaction.
Other:	No information.

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	Degradability
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risks:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory,

NORWAY:

USA

or the components are exempt from inventory reporting.

Not determined.

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

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\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM021**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Low Density Coarse Particles: KCM021**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### **2. HAZARDS IDENTIFICATION**

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

HMIS rating:

Health 0; Flammability 0; Reactivity 0

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Substance</b>	<b>Conc. [wt.%]</b>	<b>CAS#</b>
Aluminum silicates	60 - 100	12141-46-7

### **4. FIRST AID MEASURES**

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### **5. FIRE-FIGHTING MEASURES**

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature): Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None

Combustion products:

see Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure Limit Guidelines (mg/m<sup>3</sup>)  
No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: Gray  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto flammability (auto-ignition temperature): Not applicable  
Vapor pressure: Not applicable  
Relative density (specific gravity): 0.68-0.88  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Inhalation:	Mildly irritating
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Sensitization:	Not known to cause allergic reaction.
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risks:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory,

NORWAY:

USA:

or the components are exempt from inventory reporting.

Not determined.

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM029**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Multi-functional Extender: KCM029**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown.

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

HIMS Rating:

Health 0; Flammability 0; Reactivity 0

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Aluminum silicates	60 - 100	1344-28-1

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature): Not applicable

Explosive properties (thermal decomposition temperature): Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None

Combustion products:

See Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required  
Skin protection: Clean, body-covering clothing.  
Exposure Limit Guidelines (mg/m<sup>3</sup>): No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: Gray  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto flammability (auto-ignition temperature):  
Vapor pressure: Not applicable  
Relative density (specific gravity): 2.89-3.09  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

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Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Inhalation:	Mildly irritating
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Sensitization:	Not known to cause allergic reaction.
Other:	No information.

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risks:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.

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NORWAY:

Not determined.

USA:

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM030A**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Low Density Particles: KCM030A**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

HMIS Rating:

Health 0; Flammability 0; Reactivity 0.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Glass Bubble	60-100	65997-17-3

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None.

Combustion products:

See Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure limit guidelines (mg/m<sup>3</sup>): No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: White  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto-flammability (auto-ignition temperature): Not applicable  
Vapor pressure: Not applicable  
Relative density (specific gravity): 0.45-0.65  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

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Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Sensitization:	Not known to cause allergic reaction.
Inhalation:	Mildly irritating
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary landfilling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risk:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.

---

NORWAY:

Not determined.

USA:

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM030B**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Low Density Particles: KCM030B**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

HMIS Rating:

Health 0; Flammability 0; Reactivity 0.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Glass Bubble	60-100	65997-17-3

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None.

Combustion products:

See Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure limit guidelines (mg/m<sup>3</sup>): No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: White  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
    Lower: Not applicable  
    Upper: Not applicable  
    Auto-flammability (auto-ignition temperature): Not applicable  
Vapor pressure: Not applicable  
Relative density (specific gravity): 0.40-0.60  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Sensitization:	Not known to cause allergic reaction.
Inhalation:	Mildly irritating.
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risk:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory,

NORWAY:

USA:

or the components are exempt from inventory reporting.

Not determined.

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM030C**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Low Density Particles: KCM030C**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

HMIS rating:

Health 0; Flammability 0; Reactivity 0.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance****Conc. [wt.%]****CAS#**

Glass Bubble

60-100

65997-17-3

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None.

Combustion products:

See Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure limit guidelines (mg/m<sup>3</sup>): No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: White  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto-flammability (auto-ignition temperature): Not applicable  
Vapor pressure: Not applicable  
Relative density (specific gravity): 0.50-0.70  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

---

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Sensitization:	Not known to cause allergic reaction.
Inhalation:	Mildly irritating.
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not determined

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risk:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.

---

NORWAY:

Not determined.

USA:

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

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\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM030D**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Low Density Particles: KCM030D**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

HIMS Rating:

Health 0; Flammability 0; Reactivity 0.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Glass Bubble	60-100	65997-17-3

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None.

Combustion products:

See Section 10.

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure limit guidelines (mg/m<sup>3</sup>): No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: White  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto-flammability (auto-ignition temperature): Not applicable  
Vapor pressure: Not applicable  
Relative density (specific gravity): 0.50-0.70  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

---

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Sensitization:	Not known to cause allergic reaction.
Inhalation:	Mildly irritating.
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risk:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.

---

NORWAY:

Not determined.

USA:

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM031**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Low Density Particles: KCM031**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Urethane Based Copolymer	60 - 100	

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto-flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None see Section 10.

Combustion products:

## **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure Limit Guidelines (mg/m<sup>3</sup>):  
Dust particles: No components have established exposure limits.  
total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Particulates  
Color: Black  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto flammability (auto-ignition temperature): Not applicable  
Vapor pressure: Not applicable  
Relative density (specific gravity): 0.78-0.98  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Unknown  
Materials to avoid: Unknown  
Hazardous Polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Dust explosion hazard (solids): None

## **11. TOXICOLOGICAL INFORMATION**

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.
Inhalation:	Mildly irritating
Ingestion:	No effect expected.
Carcinogenicity:	None
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Sensitization:	Not known to cause allergic reaction.
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None
Risks:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.
NORWAY:	Not determined
USA:	All components of this material are on the USA TSCA

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inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

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\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM032**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Micro Silica: KCM032**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

This product contains respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Silica	60 - 100	7440-21-3

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

Slick when wet.

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0;

Combustion products:

See section 10.

### 6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage:

Scoop into containers. Flush residual with plenty of water.

See Section 8 for protective equipment information.

See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions:	Avoid generating dust.
Packaging requirements:	Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.
Ventilation:	Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection:	Use NIOSH approved respirator with dust and mist protection (3M 8210).
Eye protection:	Chemical splash goggles.
Hand protection:	None required.
Skin protection:	Clean, body-covering clothing.
Exposure Limit Guidelines (mg/m <sup>3</sup> )	No components have established exposure limits.
Dust particles:	total = 10 mg/m <sup>3</sup> , respirable fraction = 5 mg/m <sup>3</sup> .

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	Powder
Color:	Gray
Odor:	None
pH value:	Not applicable
Boiling point:	Not determined
Flash point:	Not combustible
Flammability (explosion limits in air):	
Lower:	Not applicable
Upper:	Not applicable
Auto flammability (auto-ignition temperature):	Not applicable
Vapor pressure:	Not applicable
Relative density (specific gravity):	2.48-2.68
Solubility in water:	Insoluble
Viscosity:	Not applicable
Relative vapor density (air=1):	Not applicable
% Volatile:	Not applicable

## **10. STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to avoid:	Unknown
Materials to avoid:	Unknown
Hazardous Polymerization:	Not applicable
Dust explosion hazard (solids):	Not applicable
Special hazards:	None
Hazardous decomposition products:	None

## **11. TOXICOLOGICAL INFORMATION**

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected.

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Inhalation:	Mildly irritating
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung
Sensitization:	Not known to cause allergic reaction.
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
DR class/item:	
DR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risks:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.
ORWAY:	Not determined.
USA:	All components of this material are on the USA TSCA

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inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\*\*\* END of SDS\*\*\*

## Safety Data Sheet

PRODUCT CODE: **KCM033**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Silica Fume: KCM033**

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.  
Dammam 2<sup>nd</sup> Industrial City, 6<sup>th</sup> Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 56 917 2181

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

Dust

Main health hazards:

This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer. May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Silicon oxide	60% - 100%	14808-60-7

### 4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 5 minutes. Get medical attention if irritation occurs.

Skin contact:

Wash with water and soap.

Inhalation:

Remove to fresh air. Seek medical attention if irritation persists or you feel unwell.

Swallowing:

Rinse mouth with water. Seek medical attention if irritation occurs.

Note:

None

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

Slick when wet.

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Explosive properties (thermal decomposition temperature):

Not applicable

NFPA Rating:

Health 0; Flammability 0; Reactivity 0; Other: None

Combustion products:

See Section 10.

### 6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage: Scoop into containers. Flush residual with plenty of water.  
See Section 8 for protective equipment information.  
See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions: Avoid generating dust.  
Packaging requirements: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.  
Ventilation: Provide ventilation to keep airborne concentrations below exposure limits.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Use NIOSH approved respirator with dust and mist protection (3M 8210).  
Eye protection: Chemical splash goggles.  
Hand protection: None required.  
Skin protection: Clean, body-covering clothing.  
Exposure Limit Guidelines (mg/m<sup>3</sup>): No components have established exposure limits.  
Dust particles: total = 10 mg/m<sup>3</sup>, respirable fraction = 5 mg/m<sup>3</sup>.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Powder  
Color: Gray  
Odor: None  
pH value: Not applicable  
Boiling point: Not determined  
Pour point: Not determined  
Flash point: Not combustible  
Flammability (explosion limits in air):  
Lower: Not applicable  
Upper: Not applicable  
Auto flammability (auto-ignition temperature): Not applicable  
Relative density (specific gravity): 2.36-2.56  
Vapor pressure: Not applicable  
Solubility in water: Insoluble  
Viscosity: Not applicable  
Relative vapor density (air=1): Not applicable  
% Volatile: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Conditions of Instability: Unknown  
Materials to avoid: Unknown  
Hazardous polymerization: Not applicable  
Dust explosion hazard (solids): Not applicable  
Special hazards: None  
Hazardous decomposition products: None

## **11. TOXICOLOGICAL INFORMATION**

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Eye contact	May cause mechanical irritation.
Skin contact:	No effect expected.
Inhalation:	Mildly irritating.
Ingestion:	No effect expected.
Carcinogenicity:	This product may contain small amounts of respirable crystalline silica. Inhalation of silica dust may cause lung cancer.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	Lung.
Sensitization:	Not known to cause allergic reaction.
Other:	No information

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Not applicable

## **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.
Container:	Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and sanitary landfill unless prohibited by local regulations.

## **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
Class:	
Package Group:	
Label:	
EMS:	
MFAG:	
IATA Description:	Not regulated
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	Not regulated
ADR class/item:	
ADR Danger ID:	

## **15. REGULATORY INFORMATION**

Symbols:	None Irritant
Risks:	None
Safety advice:	No special precaution required.
Notification/restrictions status:	
EUROPEAN UNION (EU):	All components of this material are on the EINECS inventory, or the components are exempt from inventory reporting.

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NORWAY:

Not determined.

USA:

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

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\*\*\* END of SDS\*\*\*