

# Safety Data Sheet

PRODUCT CODE: **KCM003**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Antifoam Agent: KCM003**

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:

None

Main health hazards:

May be mildly irritating to eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Substance</b>	<b>Conc. [wt.%]</b>	<b>CAS#</b>
Polypropylene Glycol	90-100	25322-69-4

## 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.

Swallowing:

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

## 5. FIRE-FIGHTING MEASURES

Extinguishing media:

Water fog, alcohol foam, CO<sub>2</sub>, dry chemical.

Further Information:

Wear protective fire-fighting clothing and avoid breathing vapors. Use self-contained breathing apparatus in closed areas.

NFPA Rating:

Health 1; Flammability 1; Reactivity 0; Other: None

Combustion products:

See section 10.

## 6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage:

Contain with dikes. Put in steel or plastic drum. Soak up residual on inert absorbent (sand).

See Section 8 for protective equipment information.

See Section 13 for disposal information.

## 7. HANDLING AND STORAGE

Special precautions:

No special precautions required.

Packaging requirements:

Steel or high-density polyethylene (HDPE) container.

Ventilation:

Provide ventilation to keep airborne concentrations below exposure limits.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Respiratory protection:	None normally needed.
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.

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

Form:	Liquid
Color:	Colorless
Odor:	Faint
pH value:	8-9
Boiling point:	Decomposes prior boiling point
Pour point:	Not determined
Flash point:	185°C
Method:	Pensky-Martens CC
Flammability (explosion limits in air):	Not applicable
Lower:	Not determined
Upper:	Not determined
Autoflammability (auto-ignition temperature):	Not determined
Vapor pressure:	Not determined
Relative density (specific gravity):	0.98-1.03
Bulk density (solids):	Not applicable
Solubility in water:	Insoluble
Viscosity:	980 mPa·s (20°C)
Relative vapor density (air=1):	>1
% Volatile:	<1

## **10. STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to avoid:	Unknown
Materials to avoid:	Acids, oxidizers
Hazardous Polymerization:	Will not occur
Dust explosion hazard (solids):	Not applicable
Special hazards:	None
Hazardous decomposition products:	When heated strongly or burned, oxides of carbon and harmful organic chemical fumes are released.

## **11. TOXICOLOGICAL INFORMATION**

Eye contact:	Mildly irritating
Skin contact:	No effect expected
Inhalation:	No effect expected
Ingestion:	No effect expected. LD50 (rats) > 15000 mg/kg.
Carcinogenicity:	Not listed by IARC, USA NTP, or USA OSHA.
Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	None known
Sensitization:	Not known to cause allergic reaction.

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:

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Main environmental hazards:	Not available
Degradability:	Not biodegradable. BOD = 0.15 p/p; COD = 1.94 p/p.
Other:	Not available
Marine Toxicities:	
Species	Result
Skeletonema costatum	EC50(48h) = 1.0-3.2% of saturated solution in sea water.
Abra alba	EC50(5d) = 59 mg/l.
Acartia Tonsa	LC50(48h) = 0.25% of saturated solution in seawater.

### **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by incineration (preferred) or other acceptable method in accordance with local regulations.
Container:	Sell drum to an approved drum reconditioner or triple rinse, crush, and ship to sanitary landfill unless prohibited by local regulations.

### **14. TRANSPORT INFORMATION**

UN Number:	Not regulated
IMO Description:	
Class:	
Package Group:	No additional information.
Label:	
EMS:	
MFAG:	
IATA Description:	No additional information.
Class:	
Sub Risk:	
Package Group:	
Label:	
ADR Description:	No additional information.
ADR class/item:	
ADR Danger ID:	

### **15. REGULATORY INFORMATION**

Symbols:	
Risks:	-
Safety advice:	Exercise reasonable care and cleanliness.
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: **KCM012S**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Dispersant: KCM012S**

Company/undertaking identification:

OPT CHEMICALS SAUDI FACTORY AND CO.  
Damman 2nd Industrial City, 6th Street, 101 Intersection,  
Postal code 34334, Kingdom of Saudi Arabia.  
+966 13 830 3821 (KSA)

Emergency phone:

### 2. HAZARDS IDENTIFICATION

Main environmental hazards: Not know.  
Main physical hazards: None  
Special precautions: None  
Main health hazards: Irritate eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Acetone Formaldehyde Resin	80-100	488-69-7

### 4. FIRST AID MEASURES

Eye contact: Flush your eyes with water for 5 minutes. Get medical attention if irritation occurs.  
Skin contact: Take off contaminated clothes, wash it with soap water. If feel any uncomfortable, please seek medical help.  
Inhalation: Remove to fresh air.  
Swallowing: Don't try to vomit. Drink some water or milk and seek medical help as soon as possible.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:  
Small fire: Use dry chemical powder.  
Large fire: Use water spray or foam to extinguish fire; don't use water gauge to distinguish fire.  
Further Information: None  
Explosion hazard: Not applicable.  
NFPA Rating: Health 0; Flammability 0; Reactivity 0; Other: None.

### 6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage:  
Small spill: Avoid pollute water or discharge them into river; Wash the operation situation and recycle the spillage into the container.  
Large spill: Disperse the irrelevant staff; collect the spillage into the container with protection glasses and gloves; avoid product dust when we are collecting those spillages; avoid the polluted thing go into the river.

### 7. HANDLING AND STORAGE

Special precautions: Keep container dry and place it in a situation with well ventilation; stay away with the igneous source and keep the container closed.

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Packaging requirements:	Bags with resist wet layer.
Ventilation:	Provide ventilation to keep airborne concentrations below exposure limits.

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

Respiratory protection:	Not need under normal condition.
Eye protection:	Chemical splash goggles.
Hand protection:	Wear resist permeate rubber gloves.
Skin protection:	Clean, body-covering clothing.
Exposure limit guidelines(mg/m <sup>3</sup> ):	No components have established exposure limits.

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

Form:	Powder
Color:	Brown
Odor:	Mild
Vapor pressure:	Not applicable.
pH value:	7.5-9.0 (1% solution)
Relative density (specific gravity):	1.10-1.30
Flash temperature:	Not know.
Boiling point:	Not determined
Flash point:	Not combustible
Combustible (the explosion limit in the air)	
Inferior limit:	Not applicable
Superior limit:	Not applicable
Viscosity:	Not applicable
Melting point:	Not applicable

## **10. STABILITY AND REACTIVITY**

Stability:	Stable under normal operation condition.
Conditions to avoid:	Unknown
Materials to avoid:	Oxidizers
Hazardous Polymerization:	Not appear
Dust explosion hazard(solids):	Not applicable
Special hazards:	None
Hazardous decomposition products:	None

## **11. TOXICOLOGICAL INFORMATION**

Enter trace:	Eyes, swallow and inhalation.
Emergic poison data:	
Toxic for animals:	1000mg/kg
Eye contact:	May cause mechanical irritation to eyes.
Skin contact:	Not influenced
Inhalation:	Not influenced
Ingestion:	No effect expected
Note:	None
Carcinogenicity:	No influences on people and animals.
Mutagenicity:	No influences on people and animals.
Teratogenicity:	Not known to cause birth defects.
Sensitization:	Not known to cause allergic reaction.

## **12. ECOLOGICAL INFORMATION**

Ecosystem toxic:  
Ecological decompose ability: Unknown  
Special comment of the ecological decomposition: Unknown

## **13. DISPOSAL CONSIDERATIONS**

Disposal information: Dispose of by sanitary land filling or other acceptable method in accordance with local regulations.  
Disposal source: Unknown

## **14. TRANSPORT INFORMATION**

UN Number: None  
IMO Description: No 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:  
ADR Label:

## **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 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: **KCM057**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Polymeric Retarder: KCM057**

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: None known.

Main physical hazards:

Special precautions: None

Physical hazard: Wet and slippery.

Main health hazards: May cause eye, skin and respiratory discomfort.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Aliphatic Amide Polymer	30-40	-
Sodium Hydroxide	1-3	1310-73-2
Water	60-70	7732-18-5

### 4. FIRST AID MEASURES

Eye contact: Immediately flush your eyes with water for 15 minutes while holding eyelids open. Seek medical attention at once.

Skin contact: Immediately remove contaminated clothes and shoes. Wash with soap and water for 15 minutes. Seek medical attention.

Inhalation: Generally, no adverse reaction appears if a minor inhalation. If excessive inhalation, please move to a well-ventilated place. If serious, please get medical attention.

Swallowing: Get medical attention immediately. If vomit, keep head lower than hip.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media: All media

Further Information: None known

Characteristics: The product is not flammable or explosive.

Flash point (C): Not applicable

Flammability limits in Air – Low limit (%): Not applicable

Flammability limits in Air – high limit (%): Not applicable

NFPA Rating: Health 2; Flammability 1; Reactivity 0; Other: None.

### 6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage: Collect splashing and leaking materials with containers. Use sand or other inert materials to absorb leaking and splashing objects. In a safe condition, take measures to isolate the leaking and plashing containers to prevent leakage from continuing.

Waste disposal: See Section 13 for disposal information.

## **7. HANDLING AND STORAGE**

Special precautions:	No special precautions required.
Packaging requirements:	The packaging barrel shall be disposed of in accordance with the national environmental regulations. When the barrel is sent to the recycle bin, the recycle bin should be allowed to know the raw material of the barrel. If there is residue in the barrel, the safety and environmental protection signs on the barrel shall be completely reserved.
Ventilation:	No special requirements.

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

Respiratory protection:	None normally needed.
Eye protection:	Chemical splash goggles.
Hand protection:	Impervious gloves made of rubber.
Skin protection:	Clean, body-covering clothing.
Exposure limit guidelines (mg/m <sup>3</sup> ):	No components have established exposure limits.

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

Form:	Liquid
Color:	Light yellow
Odor:	Slight
pH value:	1.0-2.0
Boiling point:	Not available
Pour point:	Not available
Flash point:	Not available
Flammability (explosion limits in air):	The product is not flammable or explosive.
Lower:	Not applicable
Upper:	Not applicable
Auto-flammability (auto-ignition temperature):	Not applicable
Vapor pressure:	Not determined
Relative density (specific gravity):	1.05-1.15
Solubility in water:	Soluble 20 °C
Viscosity:	Not available
Relative vapor density (air=1):	N/A

## **10. STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to avoid:	Not determined
Materials to avoid:	Alkali, aluminum.
Hazardous Polymerization:	Will not occur.
Dust explosion hazard (solids):	Not applicable
Special hazards:	None
Hazardous decomposition products:	None

## **11. TOXICOLOGICAL INFORMATION**

Typical contact:	Eye contact, inhalation, skin contact, swallowing.
Eye contact:	Irritant. It may cause discomfort, redness, or pain.
Skin contact:	Prolonged or repeated contact may cause mild irritation.
Sensitization:	Not known to cause allergic reaction.
Inhalation:	Prolonged or repeated inhalation may cause mild irritation.

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Mutagenicity:	Not known to cause heritable genetic damage.
Teratogenicity:	Not known to cause birth defects.
Target organs which may be affected:	None known.
Other:	None

## **12. ECOLOGICAL INFORMATION**

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

## **13. DISPOSAL CONSIDERATIONS**

Product:	Deal with waste according to the national or local requirements of environmental protection. The wastes may be received and treated by some waste landfill station.
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## **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:	
TREM Card:	
ADR Label:	

## **15. REGULATORY INFORMATION**

Safety advice:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

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

## Safety Data Sheet

PRODUCT CODE: **KCM065S**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

**Fluid Loss Control Agent: KCM065S**

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:

May cause eye, skin and respiratory discomfort.

Main environmental hazards:

None known

Main physical hazards:

Special precautions:

None

Physical hazard:

Wet and slippery.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Aliphatic Amide Polymer:	100	9003-05-8

### 4. FIRST AID MEASURES

Eye contact:

Immediately flush your eyes with water for 15 minutes while holding eyelids open. Seek medical attention at once.

Skin contact:

Immediately remove contaminated clothes and shoes. Wash with soap and water for 15 minutes. Seek medical attention.

Inhalation:

Generally, no adverse reaction appears if a minor inhalation. If excessive inhalation, please move to a well-ventilated place. If serious, please get medical attention.

Swallowing:

Get medical attention immediately. If vomit, keep head lower than hip.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

All media

Further information:

None known

Characteristics:

The product is not flammable or explosive.

Flash point (C):

Not applicable

Flammability limits in Air – Low limit (%):

Not applicable

Flammability limits in Air – high limit (%):

Not applicable

### 6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage:

Collect splashing and leaking materials with containers. Use sand or other inert materials to absorb leaking and splashing objects. In a safe condition, take measures to isolate the leaking and plashing containers to prevent leakage from continuing.

Waste disposal:

See Section 13 for disposal information.

### 7. HANDLING AND STORAGE

Special precautions

No special precautions required.

Packaging requirements:

Packing bags should be handled in accordance with national environmental regulations. The recycle bin should be allowed to know the raw material of bags when they are handed to recycle bin. If there are some residues in bags, the safe and environmental logo on the bag should be retained completely.

Ventilation:

No special requirements.

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

Respiratory protection:

None normally needed.

Eye protection:

Chemical splash goggles.

Hand protection:

Impervious gloves made of rubber.

Skin protection:

Clean, body-covering clothing.

Exposure limit guidelines (mg/m<sup>3</sup>):

No components have established exposure limits.

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

Form:

Powder

Color:

White powder

Odor:

Slight

pH value:

None

Boiling point:

Not available

Pour point:

Not available

Flash point:

Not available

Flammability (explosion limits in air):

The product is not flammable or explosive.

Lower:

Not applicable

Upper:

Not applicable

Auto flammability (auto-ignition temperature):

Not applicable

Vapor pressure:

Not determined

Relative density (specific gravity):

1.37-1.57

Solubility in water:

Soluble 20°C

Viscosity:

Not available

Relative vapor density (air=1):

N/A

## **10. STABILITY AND REACTIVITY**

Stability:

Stable

Conditions to avoid:

Not determined

Materials to avoid:

Acids, aluminum

Hazardous polymerization:

Will not occur.

Dust explosion hazard (solids):

Not applicable

Special hazards:

None

Hazardous decomposition products:

None

## **11. TOXICOLOGICAL INFORMATION**

Typical contact

Eye contact, inhalation, skin contact, swallowing.

Eye contact:

Irritant. It may cause discomfort, redness, or pain.

Skin contact:

Prolonged or repeated contact may cause mild irritation.

Inhalation:

Prolonged or repeated inhalation may cause mild irritation.

Mutagenicity:

Not known to cause heritable genetic damage.

Teratogenicity:

Not known to cause birth defects.

Target organs which may be affected:

None known

Sensitization:

Not known to cause allergic reaction.

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Other: None

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:

Main environmental hazards: None known  
Degradability: Not applicable  
Other: None known

## **13. DISPOSAL CONSIDERATIONS**

Product: Deal with waste according to the national or local requirements on environmental protection. The wastes may be received and treated by some waste landfill station.

## **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:  
TREM Card:  
ADR Label:

## **15. REGULATORY INFORMATION**

Safety advice: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

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