

## Safety Data Sheet

PRODUCT CODE: **KCM002L**

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: KCM002L**

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.

Emergency phone:

+966 56 917 2181

### 2. HAZARDS IDENTIFICATION

Main environmental hazards:

Unknown

Main physical hazards:

Special precautions:

None

Physical hazard:

None

Main health hazards:

Can cause irritation to the eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Sodium Naphthalene Sulfonate Copolymer	20-40	36290-04-7
Water	60-80	7732-18-5

### 4. FIRST AID MEASURES

Eye contact:

Immediately flush eyes with water for 15minutes 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:

Remove to fresh air.

Swallowing:

DO NOT induce vomiting. Give 2 glasses of milk (preferred) or water and seek medical attention at once.

### 5. FIRE-FIGHTING MEASURES

Flammable properties:

Flash point:

&gt;93°C

Autoignition temperature:

Not available

Flammable limits:

LFL:

Not applicable

UFL:

Not applicable

Extinguishing media:

Small fire:

Using DRY chemical powder.

Large fire:

Using water spray, fog or foam, do not use water jet.

Explosion hazards:

Not applicable

NFPA Rating:

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

### 6. ACCIDENTAL RELEASE MEASURES

Small spill:

Prevent product from entering drinking water, waterways or streams. Sweep up and place in a closed container for disposal.

Large spill:

Evacuate area of nonessential personnel. Use safety glasses

and gloves. Scoop or shovel spilled solids into container. Avoid creating dust. Prevent spilled product or contaminated wash water from entering drinking water or streams.

## **7. HANDLING AND STORAGE**

Special precautions:

Keep container dry. Keep in a cool, well-ventilated place. Store away from sources of ignition. Keep the container tightly closed.

Handling with care and avoid unnecessary personal contact. Wash thoroughly after handling.

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

Respiratory protection:

None normally needed.

Eye protection:

Chemical splash goggles.

Hand protection:

Rubber gloves

Skin protection:

Clean, body-covering clothing.

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

Ingredients:

Acetone Formaldehyde Resin.

Exposure Limit (USA)

N/A

OEL Europe:

N/A

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

Form:

Brownish liquid

Color:

Brown

Odor:

Mild

pH value:

7-9

Relative density (specific gravity):

1.16-1.21

Ignition temperature:

Not applicable

Explosion limits:

Not applicable

Lower:

Not applicable

Upper:

Not applicable

Boiling point:

Not applicable

Freezing point:

Not applicable

Flash point:

>93°C

Melting point:

Not applicable

Viscosity:

<100 mPa • s

## **10. STABILITY AND REACTIVITY**

Stability:

Stable under normal conditions of storage and handling.

Instability temperature:

Not available

Conditions of Instability:

Not available

Materials to avoid:

Avoid strong oxidizing agents.

Corrosivity:

Not available

Special remarks on reactivity:

Not available

Hazardous polymerization:

Will not occur

Dust explosion hazard (solids):

None

## **11. TOXICOLOGICAL INFORMATION**

Routes of Entry:

Eye contact, ingestion.

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Acute toxicity data:	
Toxicity to Animals:	2000 mg/kg [Rat]
Special remarks on toxicity to Animals:	Not available
Acute Effects:	
Eye contact:	May cause irritation.
Skin contact:	No effect expected.
Sensitization:	This material is not expected to be a skin sensitizer. This material is not expected to be a skin absorption hazard.
Inhalation:	No significant effects are expected.
Ingestion:	No effects expected.
Carcinogenicity/ Mutagenicity:	This product is not considered to be a human or animal carcinogen.
Teratogenicity/Reproductive Toxicity:	This product is not known to cause teratogenicity or reproductive toxicity.

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity:	Not available
Biodegradability:	Not available
Special Remarks on the Products of Biodegradation:	Not available

## **13. DISPOSAL CONSIDERATIONS**

Waste information:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste stream:	Not available

## **14. TRANSPORT INFORMATION**

The preparation is not classified as dangerous goods	
Proper shipping name:	Not regulated
Hazard class:	N/A
Packing group:	N/A
Identification number:	Not regulated

## **15. REGULATORY INFORMATION**

European Labeling in Accordance with EC Directives	
Hazard symbols:	-
Risk phrases:	This product is not classified according to the EU regulations.
Safety phrases:	No specific safety phrase has been found applicable for this product.
US Regulations	
TSCA:	All ingredients are on the TSCA inventory.

## **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: **KCM002S**

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: KCM002S**

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:

Explosive dust

Main health hazards:

Dust can cause irritation to the eyes and upper respiratory tract, swallowing powder may cause burns to gastrointestinal tract, Sulfur oxides may be released during a fire.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Sodium Naphthalene Sulfonate Copolymer	85 - 95	36290-04-7

### 4. FIRST AID MEASURES

Eye contact:

Immediately flush eyes with water for 15minutes 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:

Remove to fresh air.

Swallowing:

DO NOT induce vomiting. Give 2 glasses of milk (preferred) or water and seek medical attention at once.

### 5. FIRE-FIGHTING MEASURES

Flammable properties:

Flash point:

None

Autoignition temperature:

Not available

Flammable limits:

LFL:

Not applicable

UFL:

Not applicable

Extinguishing media:

Small fire:

Using DRY chemical powder.

Large fire:

Using water spray, fog or foam, do not use water jet.

Explosion hazards:

Not applicable.

NFPA Rating:

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

### 6. ACCIDENTAL RELEASE MEASURES

Small spill:

Prevent product from entering drinking water, waterways or streams. Sweep up and place in a closed container for disposal.

Large spill:

Evacuate area of nonessential personnel. Use safety glasses and gloves. Scoop or shovel spilled solids into

container. Avoid creating dust. Prevent spilled product or contaminated wash water from entering drinking water or streams.

## **7. HANDLING AND STORAGE**

Special precautions:

Keep container dry. Keep in a cool, well-ventilated place. Store away from sources of ignition. Keep the container tightly closed.

Handling with care and avoid unnecessary personal contact. Wash thoroughly after handling.

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

Respiratory protection:

None normally required. If dust or mist is generated, use NIOSH approved respirator with dust and mist protection. Use process enclosure, local exhaust ventilation, or other engineering control to keep airborne levels below recommended exposure limits.

Eye protection:

Chemical splash goggles.

Hand protection:

Cotton gloves

Skin protection:

Clean, body-covering clothing.

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

Form:

Solid powder

Color:

Yellow

Odor:

Mild

pH value:

7-9 (1% solution).

Relative density (specific gravity):

1.21-1.41

Ignition temperature:

Not applicable

Explosion limits:

Not applicable

Lower:

Not applicable

Upper:

Not applicable

Boiling point:

Not applicable

Freezing point:

Not applicable

Flash point:

Not combustible

Melting point:

>93°C

Solubility in Water (% by weight):

Appreciable solubility in cold water.

Viscosity:

<100 mPa · s.

## **10. STABILITY AND REACTIVITY**

Stability:

Stable under normal conditions of storage and handling.

Instability temperature:

Not available

Conditions of Instability:

Not available

Materials to avoid:

Avoid strong oxidizing agents.

Corrosivity:

Not available

Special remarks on reactivity:

Not available

Hazardous polymerization:

Will not occur

Dust explosion hazard (solids):

Yes

## **11. TOXICOLOGICAL INFORMATION**

Routes of Entry:

Eye contact, ingestion.

Acute toxicity data:

Toxicity to Animals:

2000 mg/kg [Rat]

Special remarks on toxicity to Animals:

Not available

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Acute Effects:	
Eye contact:	May cause irritation.
Skin contact:	Mechanical skin irritation is possible but unlikely. Not absorbed through skin. Possible granuloma formation in open wounds (requires repeated, massive applications).
Sensitization:	This material is not expected to be a skin sensitizer. This material is not expected to be a skin absorption hazard.
Inhalation:	Inhalation of high concentrations may cause mechanical irritation and discomfort.
Ingestion:	This product is an ingestion hazard. Swallowing significant amounts of product may cause caustic burns to the gastrointestinal tract.
Carcinogenicity/ Mutagenicity:	This product is not considered to be a human or animal carcinogen.
Teratogenicity/Reproductive Toxicity:	This product is not known to cause teratogenicity or reproductive toxicity.

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity:	Not available
Products of Biodegradation:	sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...), some metallic oxides.
Biodegradability:	Not available
Special Remarks on the Products of Biodegradation:	Not available

## **13. DISPOSAL CONSIDERATIONS**

Waste information:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste stream:	Not available

## **14. TRANSPORT INFORMATION**

The preparation is not classified as dangerous goods	
Proper shipping name:	None
Hazard class:	N/A
Packing group:	N/A
Identification number:	Not regulated

## **15. REGULATORY INFORMATION**

European Labeling in Accordance with EC Directives	
Hazard symbols:	-
Risk phrases:	This product is not classified according to the EU regulations.
Safety phrases:	No specific safety phrase has been found applicable for this product.
US Regulations	
TSCA:	All ingredients are on the TSCA inventory.

## **16. OTHER INFORMATION**

### **REGULATORY INFORMATION**

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

# 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: **KCM007L**

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 Temperature Retarder: KCM007L**

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>
Inorganic Salt	5-10	1303-96-4
Sodium Salt of Organic Acid	0.5-1.5	-
Water	70-90	7732-18-5

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

Eye contact: Rinse with water.  
Skin contact: Rinse with water.  
Inhalation: Remove to fresh air.  
Swallowing: Rinse mouth with water. Seek medical attention if irritation occurs.  
Note: None

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

Extinguishing media: None needed  
Further Information: None needed  
NFPA Rating: Health 0; Flammability 0; Reactivity 0; Other: None.  
Combustion products: See Section 10.

### **6. ACCIDENTAL RELEASE MEASURES**

After spillage/leakage: Contain with dikes. Put in plastic drum. 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: No special precautions required.  
Packaging requirements: High density polyethylene (HDPE) drum or can.  
Ventilation: No special requirements.

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

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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:	Clear colorless
Odor:	None
pH value:	7.0-8.5
Boiling point:	100°C
Pour point:	Approximately 0°C
Flash point:	Not combustible
Flammability (explosion limits in air):	
Lower:	Not applicable
Upper:	Not applicable
Autoflammability (auto-ignition temperature):	Not applicable
Vapor pressure:	Not available
Relative density (specific gravity):	0.98-1.13
Solubility in water:	Soluble 20°C
Viscosity:	Not determined
Relative vapor density (air=1):	Not applicable
%Volatile:	86%

## **10. STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to avoid:	Not determined
Materials to avoid:	Acids
Hazardous Polymerization:	Will not occur
Dust explosion hazard (solids):	Not applicable
Special hazards:	None
Hazardous decomposition products:	Phosphorus oxides 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.
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.
Other:	None

## **12. ECOLOGICAL INFORMATION**

Information on product as a whole:

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

### **13. DISPOSAL CONSIDERATIONS**

Product:	Dispose of by land filling or other acceptable method in accordance with local regulations.
Container:	Sell drum to an approved drum re-conditioner or triple rinse, crush, and ship to sanitary landfill unless prohibited by local regulations.

### **14. TRANSPORT INFORMATION**

UN Number:	None
IMO Description:	Not regulated
IATA Description:	Not regulated
ADR Description:	Not regulated

### **15. REGULATORY INFORMATION**

Symbols:	
Risks:	Evaluated as not required to be labeled.
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.

### **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: **KCM008L**

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 Temperature Fluid Loss Control Agent: KCM008L**

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.  
Emergency phone: +966 56 917 2181

### 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	10-20	25085-02-3
Water	80-90	7732-18-5

### 4. FIRST AID MEASURES

Eye contact: Immediately flush 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 0; Reactivity 1; 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:	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:	Liquid
Color:	Light brown
Odor:	Slight
pH value:	6-7
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
Autoflammability (auto-ignition temperature):	Not applicable
Vapor pressure:	Not determined
Relative density (specific gravity):	0.98-1.13
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.
Sensitization:	Not known to cause allergic reaction.
Inhalation:	Prolonged or repeated inhalation may cause mild irritation.
Mutagenicity:	Not known to cause heritable genetic damage.

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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 wastes according to the national or local requirements on 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: **KCM008S**

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 Temperature Fluid Loss Control Agent: KCM008S**

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.  
Emergency phone: +966 56 917 2181

### 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 and skin discomfort.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Aliphatic Amide Polymer	80-100	25085-02-3

### 4. FIRST AID MEASURES

Eye contact: Immediately flush 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: Not applicable  
Flammability limits in Air – Low limit (%): Not applicable  
Flammability limits in Air – high limit (%): Not applicable  
NFPA Rating: Health 2; Flammability 0; Reactivity 1; 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



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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:	Solid particles
Color:	White or light yellow
Odor:	Slight
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
Autoflammability(auto-ignition temperature):	Not applicable
Vapor pressure:	Not determined
Relative density (specific gravity):	1.40-1.60
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.
Sensitization:	Not known to cause allergic reaction.
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.

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

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Package Group:  
Label:  
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## **15. REGULATORY INFORMATION**

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

## **16. OTHER INFORMATION**

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