

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 2nd Industrial City, 6th 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

Substance	Conc. [wt.%]	CAS#
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, CO₂, 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

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 ³):	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:

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: **KCM004**

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 ELVis additive: KCM004

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.
Dammam 2nd Industrial City, 6th 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:

Hmis rating:

Health 0; Flammability 1; Reactivity 0

May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

See Section 11 for a complete discussion of health hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Polysaccharide Polymer	10-20	-
Proprietary Mixture	80-90	-

4. FIRST AID MEASURES

Eye contact:

Flush your eyes with water for 15 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.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Water fog, alcohol foam, CO₂, dry chemical.

Further Information:

Slick when wet. Suspended dust may present a dust explosion hazard. Wear protective firefighting clothing and avoid breathing vapor. Use self-contained breathing apparatus in closed areas.

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Auto-flammability (auto-ignition temperature):

Not determined

Explosive properties (thermal decomposition temperature): 392°F

NFPA Rating: Health 0; Flammability 1; Reactivity 0; Other: None.
Combustion products: See Section 10.

6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage: Scoop into containers. Avoid generating dust. Use water carefully; slick when wet. If vacuum sweeper is used, it must be rated to handle explosive dusts.

See Section 8 for protective equipment information.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

Special precautions: Keep material dry. Store in well ventilated area out of direct sunlight. Avoid generating dust.

Packaging requirements: No information available.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: None normally needed. If dust or mist is generated, 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/m³): No components have established exposure limits.

Dust particles: total = 10 mg/m³, respirable fraction = 5 mg/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder
Color: Yellow
Odor: Mild
pH value: Not applicable
Boiling point: Not applicable
Pour point: Decomposes 392°F
Vapor pressure: Not applicable
Relative density (specific gravity): 1.95-2.15
Bulk density (solids): Approximately 800 kg/m³.
Solubility in water: Partly soluble
Viscosity: Not applicable
Relative vapor density (air=1): Not applicable
Nature: Polymer

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: Unknown
Materials to avoid: Oxidizers
Hazardous Polymerization: Will not occur.
Dust explosion hazard (solids): Yes
Special hazards: None
Hazardous decomposition products: When heated strongly or burned, oxides of carbon, sulfur

oxides and harmful organic chemical fumes are released.

11. TOXICOLOGICAL INFORMATION

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected. Prolonged or repeated contact may cause mild irritation.
Inhalation:	May be mildly irritating.
Ingestion:	No effect expected. Swallowing large amounts may cause illness.
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:	No information

12. ECOLOGICAL INFORMATION

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Partially biodegradable.

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.
USA EPA RCRA:	None

14. TRANSPORT INFORMATION

ICC Tariff Classification:	
CERCLA RQ:	Not established
Department of Transportation (DOT)	
Designation:	
Hazard Class:	Not regulated
DOT Label:	
Canadian Shipments:	
Shipping Name:	Not regulated
Label:	
Classification:	Package group
PIN:	Not regulated

15. REGULATORY INFORMATION

Notification/restrictions status:	
USA:	All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.
CANADA:	Some components of this material are not on the Canada DSL.

This product contains no chemicals subject to the USEPA reporting requirements of SARA 313. The USEPA CERCLA Reportable Quantity (RQ) for this product as a whole is: Not established.



Canadian WHMIS classification: Not Classified.

16. OTHER INFORMATION

REGULATORY INFORMATION

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*** END of SDS***

Safety Data Sheet

PRODUCT CODE: **KCM006**

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 Temperature ELVis Additive: KCM006

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.
Dammam 2nd Industrial City, 6th 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:

Dust explosive

Main health hazards:

HMIS rating:

Health 0; Flammability 1; Reactivity 0

May be mildly irritating if inhaled. May cause mechanical irritation to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Conc. [wt.%]	CAS#
Glucoside Polymer	20-50	96949-22-3
Aluminum Silicates	50-80	12141-46-7

4. FIRST AID MEASURES

Eye contact:

Flush eyes with water for 15 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.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Water fog, alcohol foam, CO₂, dry chemical.

Further Information:

Slick when wet. Suspended dust may present a dust explosion hazard. Wear protective firefighting clothing and avoid breathing vapor. Use self-contained breathing apparatus in closed areas.

Flash point:

Not applicable

Method:

Not applicable

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Autoflammability (auto-ignition temperature):

Not determined

Explosive properties (thermal decomposition temperature):

392°F

NFPA Rating:

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

Combustion products: See Section 10.

6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage: Scoop into containers. Avoid generating dust. Use water carefully; slick when wet. If vacuum sweeper is used, it must be rated to handle explosive dusts.

See Section 8 for protective equipment information.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

Special precautions: Keep material dry. Store in well ventilated area out of direct sunlight. Avoid generating dust.

Packaging requirements: No information available.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: None normally needed. If dust or mist is generated, 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/m³): No components have established exposure limits.

Dust particles: total = 10 mg/m³, respirable fraction = 5 mg/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder

Color: Red-brown

Odor: Mild

pH value: Not applicable

Boiling point: Not applicable

Pour point: Decomposes 392°F

Vapor pressure: Not applicable

Relative density (specific gravity): 1.86-2.06

Bulk density (solids): Approximately 800 kg/m³.

Solubility in water: Partly soluble

Viscosity: Not applicable

Relative vapor density (air=1): Not applicable

Nature: Polymer

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Unknown

Materials to avoid: Oxidizers

Hazardous Polymerization: Will not occur.

Dust explosion hazard (solids): Yes

Special hazards: None

Hazardous decomposition products: When heated strongly or burned, oxides of carbon, sulfur oxides and harmful organic chemical fumes are released.

11. TOXICOLOGICAL INFORMATION

Eye contact:	May cause mechanical irritation.
Skin contact:	No effect expected. Prolonged or repeated contact may cause mild irritation.
Inhalation:	May be mildly irritating.
Ingestion:	No effect expected. Swallowing large amounts may cause illness.
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:	No information

12. ECOLOGICAL INFORMATION

Information on product as a whole:	
Main environmental hazards:	None known
Degradability:	Partially biodegradable

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.
USA EPA RCRA:	None.

14. TRANSPORT INFORMATION

ICC Tariff Classification:	
CERCLA RQ:	Not established
Department of Transportation (DOT) Designation:	
Hazard Class:	Not regulated
DOT Label:	
Canadian Shipments:	
Shipping Name:	Not regulated
Label:	
Classification:	Package group
PIN:	Not regulated

15. REGULATORY INFORMATION

Notification/restrictions status:	
USA:	All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.
CANADA:	Some components of this material are not on the Canada DSL.

This product contains no chemicals subject to the USEPA reporting requirements of SARA 313.
The USEPA CERCLA Reportable Quantity (RQ) for this product is: Not established.
Canadian WHMIS classification: Not Classified.

16. OTHER INFORMATION**REGULATORY INFORMATION**

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*** END of SDS***

Safety Data Sheet

PRODUCT CODE: **KCM043**

Effective Date: December-2023

Version: 3.0

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

Identification of the substance or preparation:

Defoamer and Anti-foaming Agent: KCM043

Company/undertaking identification:

OPT Chemicals Saudi Factory and Co.
Dammam 2nd Industrial City, 6th 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:

Water slick, explosive dust.

Main health hazards:

May be mildly irritating to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance:	Conc. [wt.%]	CAS#
Organic Silicone	70-90	-
Water	10-30	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:

Rinse with water.

Inhalation:

Remove to fresh air.

Swallowing:

Rinse mouth with water, seek medical attention if irritating.

5. FIRE-FIGHTING MEASURES

Flammable properties:

Flash point:

>93°C

Auto-ignition 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.

NFPA Rating:

Health 1; Flammability 1; Reactivity 0; other 0.

6. ACCIDENTAL RELEASE MEASURES

Small spill:

Contain with dikes, sweep up and place in a closed container for disposal. Soak residue with inert absorbant (sand).

Large spill:

Evacuate area of nonessential personnel. Contain spill with dikes and put into drums for proper disposal.

7. HANDLING AND STORAGE

Special precautions:

Avoid freezing. Contain in HDPE plastic drums. No further precaution required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:

None normally required.

Eye protection:

Chemical splash goggles.

Hand protection:

Not required.

Skin protection:

Clean, body-covering clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Emulsion

Color:

White

Odor:

Mild

Vapor Pressure:

4 KPa

pH:

6-8

Relative density (specific gravity):

0.92-1.12

Ignition temperature:

Not available

Explosion limits:

Not determined

Lower:

Not available

Upper:

Not available

Boiling point:

>93°C

Freezing point:

0°C

Flash point:

>93°C

Melting point:

Not applicable

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 oxidizing agents.

Corrosivity:

Not available

Special remarks on reactivity:

Not available

Hazardous polymerization:

Will not occur.

Decomposition hazard:

silicon oxide when burned strongly, May release carbon dioxide or harmful organic fumes.

11. TOXICOLOGICAL INFORMATION

Eye contact:

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.

Ingestion:

No significant effects are expected.

Inhalation:

No effects expected.

Remarks:

Not available

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 determined
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.
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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

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***