



MATERIAL SAFETY DATA SHEET

1.PRODUCT AND COMPANY IDENTIFICATION

Product name: ACRYLIC COLORS- TITANIUM WHITE

Supplier: Boyle Industries Pty Ltd
8 Redland Drive Mitcham 3132 Victoria Australia
TEL: +03 9874 2266 FAX: +03 9874 2880
Version: 2.0 Date Review: 20191112

2.COMPOSITION / INFORMATION ON INGREDIENTS

Componet	CAS No.	Concentration(%)
Distilled water	7732-18-5	42.40
SH719P Acrylic Polymer	30795-23-4	40.40
CMC BLANSOE 7MF	9004-32-4	0.10
Propylene glycol	57-55-6	3.00
AMP-95	124-68-5/7732-18-5	0.50
ACTICIDE LA1209	26172-55-4	0.06
ACTICIDE L	52-51-7	0.04
Texanol(TM) Ester Alcohol	25265-77-4	0.60
Barium sulfate precipitated	7727-43-7	2.10
R-902+ titanium dioxide	13463-67-7	10.80

3.HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation

Skin Contact

Eye Contact

Inhalation

Inhalation of vapor or mist can cause the following:
irritation of nose and throat

Eye Contact

Direct contact with material can cause the following
Slight irritation

Skin Contact

Prolonged or repeated skin contact can cause the following:
Slight irritation

4.FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin Contact: Wash with water and soap as a precaution,If skin irritation persists,call a physican.

Eye Contact: Rinse with plenty of water.If eye irritation persists,consult a specialist.

Ingestion: Drink 1 or 2 glasses of water.Consult a physician if necessary.Never give anything by mouth to an unconscious person.

5.FIRE-FIGHTING MEASURES

Thermal decomposition: Thermal decomposition may yield acrylic monomers.

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Ointment

Colour	TITANIUM WHITE
Odour	Ammonia
pH	9.0-10.0
Boiling point/range	100°C
Melting point/range	0°C water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	2,266.474 Pa at 20°C water
Relative vapour density	<1.0 water
Water solubility	Dilutable
Relative density	1.00-1.20
Viscosity,dynamic	50-400mPa.s
Evaporation rate	<1 water
Percent Volatility	49-51% water

NOTE:The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization

11. TOXICOLOGICAL INFORMATION

No-toxic

12. ECOLOGICAL INFORMATION

There is no data available for this product

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleanig runoff out of municipal sewers and open bodies of water

Disposal:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

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Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

The information provide in this Safety Data Sheet is correct to the best of our knowledge,information and belief at the date of its publication.The information given is designed only as a guidance for, safe handle,use,processing,storage,transportation,disposal and release and is not to be considered and may not be considered a warranty or quality specificationn. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process,unless specified in the text.

Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

The information provide in this Safety Data Sheet is correct to the best of our knowledge,information and belief at the date of its publication.The information given is designed only as a guidance for, safe handle,use,processing,storage,transportation,disposal and release and is not to be considered and may not be considered a warranty or quality specificationn. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process,unless specified in the text.

Thermal decomposition: Thermal decomposition may yield acrylic monomers.
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.
Keep people away from and upwind of spill/leak
Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.
Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Ointment
Colour	YELLOW GREEN
Odour	Ammonia
pH	9.0-10.0
Boiling point/range	100°C
Melting point/range	0°C water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	2,266.474 Pa at 20°C water
Relative vapour density	<1.0 water
Water solubility	Dilutable
Relative density	1.00-1.20
Viscosity,dynamic	50-400mPa.s
Evaporation rate	<1 water
Percent Volatility	49-51% water

NOTE:The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization

11. TOXICOLOGICAL INFORMATION

No-toxic

12. ECOLOGICAL INFORMATION

There is no data available for this product

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleanig runoff out of municipal sewers and open bodies of water

Disposal:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for, safe handling, use, processing, storage, transportation, disposal and release and is not to be considered and may not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MATERIAL SAFETY DATA SHEET

1.PRODUCT AND COMPANY IDENTIFICATION

Product name: ACRYLIC COLORS- MID GREEN
Supplier: Boyle Industries Pty Ltd
8 Redland Drive Mitcham 3132 Victoria Australia
TEL: +03 9874 2266 FAX: +03 9874 2880
Version: 2.0 Date Review: 20191112

2.COMPOSITION / INFORMATION ON INGREDIENTS

Componet	CAS No.	Concentration(%)
Distilled water	7732-18-5	46.10
SH719P Acrylic Polymer	30795-23-4	40.60
CMC BLANSOE 7MF	9004-32-4	0.10
Propylene glycol	57-55-6	3.30
AMP-95	124-68-5/7732-18-5	0.60
ACTICIDE LA1209	26172-55-4	0.06
ACTICIDE L	52-51-7	0.04
Texanol(TM) Ester Alcohol	25265-77-4	0.60
Barium sulfate precipitated	7727-43-7	3.40
Fast Yellow G	2512-29-0	0.80
Pigment Yellow 10G	6486-23-3	2.20
Colanyl Green GG 131-CN	1328-53-6	2.00
Fast Bule BGX	147-14-8	0.20

3.HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation
Skin Contact
Eye Contact

Inhalation

Inhalation of vapor or mist can cause the following:
irritation of nose and throat

Eye Contact

Direct contact with material can cause the following
Slight irritation

Skin Contact

Prolonged or repeated skin contact can cause the following:
Slight irritation

4.FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin Contact: Wash with water and soap as a precaution,If skin irritation persists,call a physican.

Eye Contact: Rinse with plenty of water.If eye irritation persists,consult a specialist.

Ingestion: Drink 1 or 2 glasses of water.Consult a physician if necessary.Never give anything by mouth to an unconscious person.

5.FIRE-FIGHTING MEASURES

Thermal decomposition: Thermal decomposition may yield acrylic monomers.
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.
Keep people away from and upwind of spill/leak
Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.
Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Ointment
Colour	MID GREEN
Odour	Ammonia
pH	9.0-10.0
Boiling point/range	100°C
Melting point/range	0°C water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	2,266.474 Pa at 20°C water
Relative vapour density	<1.0 water
Water solubility	Dilutable
Relative density	1.00-1.20
Viscosity,dynamic	50-400mPa.s
Evaporation rate	<1 water
Percent Volatility	49-51% water

NOTE:The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization

11. TOXICOLOGICAL INFORMATION

No-toxic

12. ECOLOGICAL INFORMATION

There is no data available for this product

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleanig runoff out of municipal sewers and open bodies of water

Disposal:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16. OTHER INFORMATION

The information provide in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for, safe handle, use, processing, storage, transportation, disposal and release and is not to be considered and may not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Ointment
Colour	BURNT SIENNA
Odour	Ammonia
pH	9.0-10.0
Boiling point/range	100°C
Melting point/range	0°C water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	2,266.474 Pa at 20°C water
Relative vapour density	<1.0 water
Water solubility	Dilutable
Relative density	1.00-1.20
Viscosity,dynamic	50-400mPa.s
Evaporation rate	<1 water
Percent Volatility	49-51% water

NOTE:The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization

11.TOXICOLOGICAL INFORMATION

No-toxic

12.ECOLOGICAL INFORMATION

There is no data available for this product

13.DISPOSAL CONSIDERATIONS

Environmetal precautions: CAUTION: Keep spills and cleanig runoff out of municipal sewers and open bodies of water

Disposal:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime.Remove the clear supernatant and flush to a chemical sewer.For disposal, incinerate or landfill at a permitted facility in accordance with local,state,and federal regulations.

14.TRANSPORT INFORMATION

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

The information provide in this Safety Data Sheet is correct to the best of our knowledge,information and belief at the date of its publication.The information given is designed only as a guidance for, safe handle,use,processing,storage,transportation,disposal and release and is not to be considered and may not be considered a warranty or quality specificationn. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process,unless specified in the text.

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

The information provide in this Safety Data Sheet is correct to the best of our knowledge,information and belief at the date of its publication.The information given is designed only as a guidance for, safe handle,use,processing,storage,transportation,disposal and release and is not to be considered and may not be considered a warranty or quality specificationn. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process,unless specified in the text.

Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Ointment
Colour	CARNATION PINK
Odour	Ammonia
pH	9.0-10.0
Boiling point/range	100°C
Melting point/range	0°C water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	2,266.474 Pa at 20°C water
Relative vapour density	<1.0 water
Water solubility	Dilutable
Relative density	1.00-1.20
Viscosity,dynamic	50-400mPa.s
Evaporation rate	<1 water
Percent Volatility	49-51% water

NOTE:The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization

11. TOXICOLOGICAL INFORMATION

No-toxic

12. ECOLOGICAL INFORMATION

There is no data available for this product

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleanig runoff out of municipal sewers and open bodies of water

Disposal:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

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Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Ointment

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

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Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Ointment
Colour	GOLD
Odour	Ammonia
pH	9.0-10.0
Boiling point/range	100°C
Melting point/range	0°C water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	2,266.474 Pa at 20°C water
Relative vapour density	<1.0 water
Water solubility	Dilutable
Relative density	1.00-1.20
Viscosity,dynamic	50-400mPa.s
Evaporation rate	<1 water
Percent Volatility	49-51% water

NOTE:The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization

11. TOXICOLOGICAL INFORMATION

No-toxic

12. ECOLOGICAL INFORMATION

There is no data available for this product

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION: Keep spills and cleanig runoff out of municipal sewers and open bodies of water

Disposal:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

Classification for Road and Rail transport:

Not regulated(Not dangerous for transport)

Classification for SEA transport(IMO-IMDG):

Not regulated(Not dangerous for transport)

Classification for AIR transport(IATA/ICAO):

Not regulated(Not dangerous for transport)

Hazchem Code

None Allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15.REGULATORY INFORMATION

Labelling in accordance with EC-Directives

Hazard warning labelling not compulsory

16.OTHER INFORMATION

The information provide in this Safety Data Sheet is correct to the best of our knowledge,information and belief at the date of its publication.The information given is designed only as a guidance for, safe handle,use,processing,storage,transportation,disposal and release and is not to be considered and may not be considered a warranty or quality specificationn. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process,unless specified in the text.

Specific hazards during fire fighting:

Material can splatter above 100°C/212F. Dried product can burn

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment.

Keep people away from and upwind of spill/leak

Material can create slippery conditions.

Environmental precautions

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for cleaning up

Contain spills immediately with inert materials (e.g., sand, earth).

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed.

Do not breathe vapors, mist or gas.

Further information on storage condition: Keep from freezing-product stability may be affected.

STIR WELL BEFORE USE.

Storage

Storage temperature: 1-49°C

Other data: Monomer vapors can be evolved when material is heated during processing operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Eye protection: safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: The gloves listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection: Use certified respiratory protection equipment meeting EU requirements (89/656/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility

Engineering measures: Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Ointment
Colour	SILVER
Odour	Ammonia
pH	9.0-10.0
Boiling point/range	100°C
Melting point/range	0°C water
Flash point	Noncombustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	2,266.474 Pa at 20°C water
Relative vapour density	<1.0 water
Water solubility	Dilutable
Relative density	1.00-1.20
Viscosity,dynamic	50-400mPa.s
Evaporation rate	<1 water
Percent Volatility	49-51% water

NOTE:The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Hazardous reactions	None known. Stable
Materials to avoid	There are no known materials which are incompatible with this product.
Polymerization	Product will not undergo polymerization

11. TOXICOLOGICAL INFORMATION

No-toxic

12. ECOLOGICAL INFORMATION

There is no data available for this product

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