

## Section I - Product & Company Information

**Product Name:** SP-14AH Component 1

Acrymax Technologies, Inc.  
221 Brooke Street  
Media, PA 19063

**web:** www.acrymax.com  
**e-mail:** info@acrymax.com  
**phone:** 610.566.7470  
**fax:** 610.891.0834

In an emergency, contact Chemtrec: 800.424.9300

**Product Use:** Fluoroelastomeric Coating

## Section II - Hazards Identification

### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin Irritant	3	Reversible adverse effects in dermal tissue
Eye Irritant	2B	Mild eye irritant

### GHS Hazards

H225	Highly flammable liquid and vapour
H316	Causes mild skin irritation
H320	Causes eye irritation

### GHS Precautions

P210	Keep away from heat/ sparks/ open flames/ hot surfaces - No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ ventilating/ light/ equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection when using this product
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use alcohol resistant foam, carbon dioxide, or dry chemical for extinction
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with all local, state, federal and international regulations.

Signal Word: Danger



### Section III - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Methyl Ethyl Ketone	78-93-3	70.00% - 80.00%
Magnesium Oxide	1309-48-4	1.00% - 5.00%
Chromium Oxide	1308-38-9	1.00% - 5.00%
Silica-Amorphous, precipitated	112926-00-8	1.00% - 5.00%

(1) There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or environment and hence require reporting section

(2) Occupational exposure limits, if applicable, are listed in Section 8

### Section IV - First Aid Measures

**Inhalation:** If affected, remove from exposure. Restore breathing. Get medical attention.

**Eye Contact:** Flush eyes with large amount of water for 15 minutes while holding eye lids open. Get medical attention.

**Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

**Ingestion:** Do not induce vomiting. Call poison control and/or seek medical attention immediately.

**Notes to Physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Section V - Fire Fighting Measures

**Flash Point:** -3 C (27 F)

**LEL:** 2.00

**UEL:** 10.00

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, or Alcohol Resistant Foam

**Special Hazards:** Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

**Special Firefighting Equipment & Procedures:** Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat

### Section VI - Accidental Release Measures

#### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area. Dike around spill and absorb liquids with absorbent. Sweep up and shovel into suitable containers for disposal. Stop spill from entering drains, sewers, streams, or waterways. Affected spill area may be slippery. Wear appropriate personal protection equipment while in affected area.

## Section VII - Handling & Storage

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Do not store near heat, spark or open flame. Close container and keep upright to prevent leakage. Keep out of reach of children. Transfer only to approved containers with complete and appropriate labeling.

## Section VIII - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits
Methyl Ethyl Ketone 78-93-3	200 ppm TWA 300 ppm STEL	200 ppm TLV 300 ppm STEL
Magnesium Oxide 1309-48-4	15 mg/m3 (total dust) 5 mg/m3 (respirable fraction)	15 mg/m3 (total dust) 5 mg/m3 (respirable fraction)
Chromium Oxide 1308-38-9	0.5 mg/m3	0.5 mg/m3
Silica-Amorphous, precipitated 112926-00-8	6 mg/m3 TWA	Not Established

### **PRECAUTIONS TO BE TAKEN IN USE:**

Use only with adequate ventilation

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

**Ventilation:** Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

**Work/ Hygienic Practices:** Wash hands before eating, smoking or using the wash room after use of this product. Do not consume food or beverages where this product is handled.

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection.

**Protective Gloves:** Required. Use chemical-resistant gloves to prevent skin contact.

**Eye Protection:** Wear safety spectacles with sideshields.

**Other Protective Clothing or Equipment:** Use disposable or impervious clothing if work clothing contamination is likely. Availability of eye wash and shower stations recommended.

## Section IX - Physical & Chemical Properties

<b>Appearance:</b> Liquid <b>Vapor Pressure:</b> 78.0 mmHg <b>Vapor Density:</b> Heavier than Air <b>Specific Density:</b> 0.97 <b>Solubility:</b> No Data <b>Flash point:</b> -3°C <b>Flammability:</b> Highly Flammable Liquid <b>Autoignition temperature:</b> 515°C <b>Viscosity:</b> No Data <b>Partition coefficient (n-octanol/water):</b> No Data	<b>Odor:</b> Ketone <b>Odor threshold:</b> No Data <b>pH:</b> No Data <b>Freezing point:</b> No Data <b>Boiling Point:</b> 77°C <b>Evaporation rate:</b> No Data <b>Explosive Limits:</b> 2% - 10%  <b>Decomposition temperature:</b> No Data <b>g VOC/L Less Water</b> 691.00
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## Section X - Stability & Reactivity

**Stability:** STABLE

**Conditions to avoid:** Heat, flames & sparks.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon Monoxide; Carbon Dioxide

## Section XI - Toxicological Information

**Mixture Toxicity:** No Data Available

### Component Toxicity

78-93-3	Methyl Ethyl Ketone Oral LD50: 3,400 mg/kg (Rat)
1309-48-4	Magnesium Oxide Oral LD50: 3,990 mg/kg (Rat)

### Effect of Overexposure:

Eye and nasal irritation, headache, dizziness, nausea, difficulty breathing, itching or burning eye skin.

## Section XII - Ecological Information

**Mixture Ecotoxicity:** No Data Available

### Component Ecotoxicity

Methyl Ethyl Ketone

May be harmful or fatal to plant and animal life. Refer to Section 11 for additional data on this components effect on specific animals. Fish exposed to 5120 mg/L adversely affected. Completely biodegradeable.

Silica-Amorphous, precipitated

NOEC / >1000 ppm / Daphnia - Daphnia magna / 24 hr.  
Acute NOEC / >1000 ppm / Freshwater Fish / 96 hr.static  
Acute NOEC / >1000 ppm / Fish - Brachydanio rerio / 4 days static

## Section XIII - Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with International, Federal, State/Provincial, and Local regulations regarding pollution. Local requirements may vary, consult your local sanitation and/or state designated environmental protection agency for disposal options.

## Section XIV - Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint, Flammable	UN1263	PG II	3

## Section XV - Regulatory Information

**OSHA:** This mixture is considered to be hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**US Toxic Substance Control Act:** All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory

**SARA Section 311/312:** This product contains the following ingredients with the listed classifications and as such, is subject to the reporting requirements of Section 311/312 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372

78-93-3 Methyl Ethyl Ketone 70 to 80 % Fire Hazard, Acute Health Hazard

**SARA Section 313:** This product contains the following ingredients and as such, is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372

1308-38-9 Chromium Oxide 1 to 5 %

**California Proposition 65:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- None

**State of New Jersey Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the New Jersey Hazardous Substance List:

112926-00-8 Silica-Amorphous, precipitated  
1308-38-9 Chromium Oxide  
78-93-3 Methyl Ethyl Ketone

**Commonwealth of Pennsylvania Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

112926-00-8 Silica-Amorphous, precipitated  
78-93-3 Methyl Ethyl Ketone

## Section XVI - Disclaimer & Other Information

Prepared by Acrymax Technologies, Inc. - Technical Department

### Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

**HMIS & NFPA Hazard Rating Legend**

\* = Chronic Health Hazard

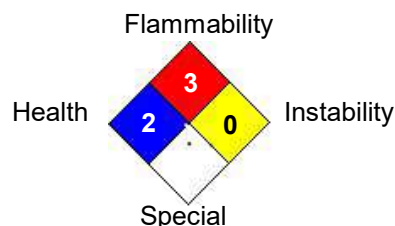
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

### National Fire Protection Association (NFPA)



The information contained herein relates only to the specific material identified. Acrymax Technologies Inc. believes that such information is accurate and reliable as of the date of this Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Since conditions of use are out of our control, users assume all risks associated with the use of the material and are advised to confirm in advance that the information contained in this SDS is correct, applicable, and suitable to their circumstances.

Date revised: 2018-07-26

Revision number: 2.1

## Section I - Product & Company Information

**Product Name:** SP-14AH Component 2

Acrymax Technologies, Inc.  
221 Brooke Street  
Media, PA 19063

**web:** www.acrymax.com  
**e-mail:** info@acrymax.com  
**phone:** 610.566.7470  
**fax:** 610.891.0834

In an emergency, contact Chemtrec: 800.424.9300

**Product Use:** Activator

## Section II - Hazards Identification

### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Oral Toxicity	Acute Tox. 3	Oral > 50+ <= 300mg/kg
Dermal Toxicity	Acute Tox. 4	Dermal > 1000+ <= 2000mg/kg
Skin Irritant	1B	Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal
Eye Irritant	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer

### GHS Hazards

H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

### GHS Precautions

P210	Keep away from heat/ sparks/ open flames/ hot surfaces - No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ ventilating/ light/ equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection when using this product
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P330	Rinse mouth

P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P370+P378	In case of fire: Use alcohol resistant foam, carbon dioxide, or dry chemical for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with all local, state, federal and international regulations.

**Signal Word: Danger**



## Section III - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Methyl Ethyl Ketone	78-93-3	60.00% - 70.00%
Triethylenetetramine	112-24-3	30.00% - 40.00%
1-methoxy-2-propanol	107-98-2	5.00% - 10.00%

(1) There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or environment and hence require reporting section

(2) Occupational exposure limits, if applicable, are listed in Section 8

## Section IV - First Aid Measures

**Inhalation:** If affected, remove from exposure. Restore breathing. Get medical attention.

**Eye Contact:** Flush eyes with large amount of water for 15 minutes while holding eye lids open. Get medical attention.

**Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

**Ingestion:** Do not induce vomiting. Call poison control and/or seek medical attention immediately.

**Notes to Physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.



## Section V - Fire Fighting Measures

**Flash Point:** -3 C (27 F)

**LEL:** 1.00

**UEL:** 14.00

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, or Alcohol Resistant Foam

**Special Hazards:** Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

**Special Firefighting Equipment & Procedures:** Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat

## Section VI - Accidental Release Measures

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area. Dike around spill and absorb liquids with absorbent. Sweep up and shovel into suitable containers for disposal. Stop spill from entering drains, sewers, streams, or waterways. Affected spill area may be slippery. Wear appropriate personal protection equipment while in affected area.

## Section VII - Handling & Storage

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Do not store near heat, spark or open flame. Close container and keep upright to prevent leakage. Keep out of reach of children. Transfer only to approved containers with complete and appropriate labeling.

## Section VIII - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits
Methyl Ethyl Ketone 78-93-3	200 ppm TWA 300 ppm STEL	200 ppm TLV 300 ppm STEL
Triethylenetetramine 112-24-3	1 ppm TWA Skin	Not Established
1-methoxy-2-propanol 107-98-2	Not Established	100 ppm STEL 50 ppm TWA

### **PRECAUTIONS TO BE TAKEN IN USE:**

Use only with adequate ventilation

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

**Ventilation:** Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

**Work/ Hygienic Practices:** Wash hands before eating, smoking or using the wash room after use of this product. Do not consume food or beverages where this product is handled.

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection.

**Protective Gloves:** Required. Use chemical-resistant gloves to prevent skin contact.

**Eye Protection:** Wear safety spectacles with sideshields.

**Other Protective Clothing or Equipment:** Use disposable or impervious clothing if work clothing contamination is likely. Availability of eye wash and shower stations recommended.

## Section IX - Physical & Chemical Properties

<b>Appearance:</b> Liquid <b>Vapor Pressure:</b> 78.0 mmHg <b>Vapor Density:</b> Heavier than Air <b>Specific Density:</b> 0.86 <b>Solubility:</b> No Data <b>Flash point:</b> -3°C <b>Flammability:</b> Highly Flammable Liquid <b>Autoignition temperature:</b> 287°C <b>Viscosity:</b> No Data <b>Partition coefficient (n-octanol/water):</b> No Data	<b>Odor:</b> Ketone <b>Odor threshold:</b> No Data <b>pH:</b> No Data <b>Freezing point:</b> No Data <b>Boiling Point:</b> 77°C <b>Evaporation rate:</b> No Data <b>Explosive Limits:</b> 1% - 14%  <b>Decomposition temperature:</b> No Data <b>g VOC/L Less Water</b> 863.01
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## Section X - Stability & Reactivity

**Stability:** STABLE

**Conditions to avoid:** Heat, flames & sparks.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon Monoxide; Carbon Dioxide

## Section XI - Toxicological Information

**Mixture Toxicity:** No Data Available

Oral Toxicity LD50: 56mg/kg

Dermal Toxicity LD50: 1,555mg/kg

**Component Toxicity**

78-93-3 Methyl Ethyl Ketone  
Oral LD50: 3,400 mg/kg (Rat)

112-24-3 Triethylenetetramine  
Oral LD50: 2,500 mg/kg (Rat) Dermal LD50: 550 mg/kg (Rabbit)

107-98-2 1-methoxy-2-propanol  
Oral LD50: 4 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 26 mg/L (Rat)

**Effect of Overexposure:**

Eye and nasal irritation, headache, dizziness, nausea, difficulty breathing, itching or burning eye skin.

## Section XII - Ecological Information

**Mixture Ecotoxicity:** No Data Available

### Component Ecotoxicity

Methyl Ethyl Ketone	May be harmful or fatal to plant and animal life. Refer to Section 11 for additional data on this components effect on specific animals. Fish exposed to 5120 mg/L adversely affected. Completely biodegradeable.
Triethylenetetramine	LC50 / 495 - 570 mg/L / 96 hr. / Freshwater Fish EC50 / 31.1 mg/L / 48 hr. / Water Flea
1-methoxy-2-propanol	Toxicity to fish, invertibrates, and plants very low. Rapidly biodegradable.

## Section XIII - Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with International, Federal, State/Provincial, and Local regulations regarding pollution. Local requirements may vary, consult your local sanitation and/or state designated environmental protection agency for disposal options.

## Section XIV - Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint Related Material, Flammable, Corrosive	UN3469	PG II	3 (8)

## Section XV - Regulatory Information

**OSHA:** This mixture is considered to be hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**US Toxic Substance Control Act:** All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory

**SARA Section 311/312:** This product contains the following ingredients with the listed classifications and as such, is subject to the reporting requirements of Section 311/312 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372

112-24-3 Triethylenetetramine 30 to 40 % Acute Health Hazard  
78-93-3 Methyl Ethyl Ketone 60 to 70 % Fire Hazard, Acute Health Hazard

**SARA Section 313:** This product contains the following ingredients and as such, is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372

- None

**California Proposition 65:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- None

**State of New Jersey Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the New Jersey Hazardous Substance List:

107-98-2 1-methoxy-2-propanol  
112-24-3 Triethylenetetramine  
78-93-3 Methyl Ethyl Ketone

**Commonwealth of Pennsylvania Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

107-98-2 1-methoxy-2-propanol  
112-24-3 Triethylenetetramine  
78-93-3 Methyl Ethyl Ketone

## Section XVI - Disclaimer & Other Information

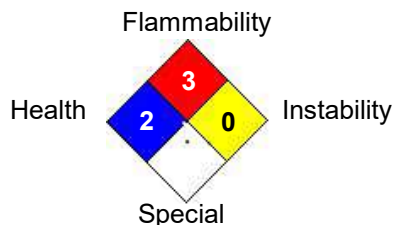
Prepared by Acrymax Technologies, Inc. - Technical Department

### Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

**HMIS & NFPA Hazard Rating Legend**  
\* = Chronic Health Hazard  
0 = INSIGNIFICANT  
1 = SLIGHT  
2 = MODERATE  
3 = HIGH

### National Fire Protection Association (NFPA)



The information contained herein relates only to the specific material identified. Acrymax Technologies Inc. believes that such information is accurate and reliable as of the date of this Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Since conditions of use are out of our control, users assume all risks associated with the use of the material and are advised to confirm in advance that the information contained in this SDS is correct, applicable, and suitable to their circumstances.

Date revised: 2018-07-26

Revision number: 2.1