Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/03/2015 Reviewed on 08/03/2015

*

1 Identification

· **Product identifier**

· **Trade name: Kool Mist Formula 77**
· **Relevant identified uses of the substance or mixture and uses advised against:**
· **Product description** Heavy duty coolant for spray mist systems.

· **Details of the supplier of the safety data sheet:**
· **Manufacturer/Supplier:**
Kool Mist
9218 Norwalk Blvd.
Santa Fe Springs, CA 90670
Ph: (562) 246-0949
· **Emergency telephone number:** Chemtrec 1-800-424-9300 or outside USA 1-703-527-3887

2 Hazard(s) identification

· **Classification of the substance or mixture:**

GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2B H320 Causes eye irritation.

· **Label elements:**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**

GHS07

· **Signal word:** Warning

· **Hazard-determining components of labeling:**
Poly(ethylene glycol-ran-propylene glycol) monobutyl ether
· **Hazard statements:**
Harmful if swallowed.
Causes skin and eye irritation.
· **Precautionary statements:**
Wear protective gloves.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: Call a poison center/doctor if you feel unwell.
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Rinse mouth.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***Classification system:***

· ***NFPA ratings (scale 0 - 4)***

Health = 1
Fire = 0
Reactivity = 0

· ***HMIS-ratings (scale 0 - 4)***

Health = 1
Fire = 0
Reactivity = 0

· ***Hazard(s) not otherwise classified (HNOC):*** None known

*

3 Composition/information on ingredients

· ***Chemical characterization: Mixtures***

· ***Description:*** Mixture of substances listed below with nonhazardous additions.

· ***Dangerous Components:***		
102-71-6	Triethanolamine, TEA Skin Irrit. 2, H315; Eye Irrit. 2B, H320	20-40%
9038-95-3	Poly(ethylene glycol-ran-propylene glycol) monobutyl ether Acute Tox. 2, H300	1-5%

· ***Additional information:***
Concentration of Dangerous Components when diluted:
Triethanolamine, TEA : <1%
Poly(ethylene glycol-ran-propylene glycol) monobutyl ether: <0.1

4 First-aid measures

· ***Description of first aid measures:***

· ***General information:***
Symptoms of poisoning may occur after several hours; therefore medical observation is advised for at least 48 hours after the accident.

· ***After inhalation:*** In case of unconsciousness place patient stably in side position for transportation.

· ***After skin contact:***
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.

· ***After eye contact:***
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

· ***After swallowing:*** Immediately call a doctor.

· ***Information for doctor:***

· ***Most important symptoms and effects, both acute and delayed:*** No further relevant information available.

· ***Indication of any immediate medical attention and special treatment needed:***
No further relevant information available.

5 Fire-fighting measures

· ***Extinguishing media:***

· ***Suitable extinguishing agents:*** Use fire fighting measures that suit the environment.

· ***Special hazards arising from the substance or mixture:*** No further relevant information available.

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Trade name: Kool Mist Formula 77

· ***Advice for firefighters:***
· ***Protective equipment:***
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental release measures

· ***Personal precautions, protective equipment and emergency procedures:*** Not required.
· ***Environmental precautions:*** Do not allow to enter sewers/ surface or ground water.
· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
· ***Reference to other sections:***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

· ***Handling***
· ***Precautions for safe handling:***
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· ***Information about protection against explosions and fires:*** No special measures required.

· ***Conditions for safe storage, including any incompatibilities:***
· ***Storage***
· ***Requirements to be met by storerooms and receptacles:*** Store only in the original receptacle.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:*** Keep receptacle tightly sealed.
· ***Specific end use(s):*** No further relevant information available.

8 Exposure controls/personal protection

· ***Additional information about design of technical systems:*** No further data; see section 7.

· ***Control parameters:***

· ***Components with occupational exposure limits:***	
102-71-6 Triethanolamine, TEA	
TLV	Long-term value: 5 mg/m³

· ***Additional information:*** The lists that were valid during the creation of this SDS were used as basis.

· ***Exposure controls:***
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· ***Breathing equipment:*** Not required.

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Trade name: Kool Mist Formula 77

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**

Tightly sealed goggles

*

9 Physical and chemical properties

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**

Form:	Liquid
Color:	Green
· **Odor:**	Vinegar
· **Odor threshold:**	Not determined.
· **pH-value:**	Acidic
· **Change in condition**	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	100 °C (212 °F)
· **Flash point:**	180 °C (356 °F)
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	305 °C (581 °F)
· **Decomposition temperature:**	Not determined.
· **Auto igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	0.0 Vol %
Upper:	0.0 Vol %
· **Vapor pressure @ 20 °C (68 °F):**	23 hPa (17 mm Hg)

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Trade name: Kool Mist Formula 77

· **Density:**
Relative density: Not determined.
Vapor density: Not determined.
Evaporation rate: Not determined.

· **Solubility in / Miscibility with:**
Water: Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**
Dynamic: Not determined.
Kinematic: Not determined.

· **Solvent content:**
Organic solvents: 20.0 %
Water: 20.0 %
VOC content: 0 %
· **Other information:** No further relevant information available.

10 Stability and reactivity

· **Reactivity:** No further relevant information available.
· **Chemical stability:** Stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions:** No dangerous reactions known.
· **Conditions to avoid:** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects:**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
102-71-6 Triethanolamine, TEA		
Oral	LD50	5530 mg/kg (rat)
		2200 mg/kg (rabbit)
	LD50 Oral	2200 ml/kg (Guinea Pig)
		5846 ml/kg (mouse)
Dermal	LD50	>22500 mg/kg (rabbit)
9038-95-3 Poly(ethylene glycol-ran-propylene glycol) monobutyl ether		
Oral	LD50	12.792 mg/kg (rat)
Dermal	LD50	>20.800 mg/kg (rabbit)

· **Primary irritant effect:**
· **On the skin:** Irritant to skin and mucous membranes.
· **On the eye:**
Irritating effect.
Causes serious eye irritation.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

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Trade name: Kool Mist Formula 77

Harmful
Irritant

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**		
102-71-6	Triethanolamine, TEA	3

· **NTP (National Toxicology Program):**
None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**
None of the ingredients are listed.

12 Ecological information

· **Toxicity:**

· **Aquatic toxicity:**	
102-71-6 Triethanolamine, TEA	
EC50	609.98 mg/l (daphnia)

· **Persistence and degradability:** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential:** No further relevant information available.
· **Mobility in soil:** No further relevant information available.
· **Additional ecological information:**
· **General notes:** Not known to be hazardous to water.
· **Results of PBT and vPvB assessment:**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects:** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods:**
· **Recommendation:** Recycle or dispose with household trash.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number:**
· **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
· **UN proper shipping name:**
· **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
· **Transport hazard class(es):**

· **DOT, ADR, ADN, IMDG, IATA**
· **Class:** Non-Regulated Material
· **Packing group:**
· **DOT, ADR, IMDG, IATA** Non-Regulated Material
· **Environmental hazards:** Not applicable.
· **Special precautions for user:** Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

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Trade name: Kool Mist Formula 77

· **UN "Model Regulation":** Non-Regulated Material

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**
None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**
None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
None of the ingredients are listed.

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**

GHS07

· **Signal word:** Warning

· **Hazard-determining components of labeling:**
Poly(ethylene glycol-ran-propylene glycol) monobutyl ether
· **Hazard statements:**
Harmful if swallowed.
Causes skin and eye irritation.
· **Precautionary statements:**
Wear protective gloves.
Wash thoroughly after handling.

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Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Trade name: Kool Mist Formula 77

Do not eat, drink or smoke when using this product.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: Call a poison center/doctor if you feel unwell.
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Rinse mouth.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***National regulations:***

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· ***State Right to Know:***

102-71-6	Triethanolamine, TEA Skin Irrit. 2, H315; Eye Irrit. 2B, H320	20-40%
9038-95-3	Poly(ethylene glycol-ran-propylene glycol) monobutyl ether Acute Tox. 2, H300	1-5%

All ingredients are listed.

· ***Chemical safety assessment:*** A Chemical Safety Assessment has not been carried out.

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· ***Date of preparation / last revision:*** 08/03/2015 / 4

· ***Abbreviations and acronyms:***
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 2: Acute toxicity, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

· **** Data compared to the previous version altered.***
SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/03/2015 Reviewed on 08/03/2015

*

1 Identification

· **Product identifier**

· **Trade name: Kool Mist Formula 78**
· **Relevant identified uses of the substance or mixture and uses advised against:**
· **Product description** Light duty coolant for spray mist systems.

· **Details of the supplier of the safety data sheet:**
· **Manufacturer/Supplier:**
Kool Mist
9218 Norwalk Blvd.
Santa Fe Springs, CA 90670
Ph: (562) 246-0949
· **Emergency telephone number:** Chemtrec 1-800-424-9300 or outside USA 1-703-527-3887

2 Hazard(s) identification

· **Classification of the substance or mixture:**

GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2B H320 Causes eye irritation.

· **Label elements:**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**

GHS07

· **Signal word:** Warning

· **Hazard-determining components of labeling:**
Poly(ethylene glycol-ran-propylene glycol) monobutyl ether
· **Hazard statements:**
Harmful if swallowed.
Causes skin and eye irritation.
· **Precautionary statements:**
Wear protective gloves.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: Call a poison center/doctor if you feel unwell.
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Rinse mouth.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.

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OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Trade name: Kool Mist Formula 78

Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***Classification system:***

· ***NFPA ratings (scale 0 - 4)***

Health = 1
Fire = 0
Reactivity = 0

· ***HMIS-ratings (scale 0 - 4)***

Health = 1
Fire = 0
Reactivity = 0

· ***Hazard(s) not otherwise classified (HNOC):*** None known

*

3 Composition/information on ingredients

· ***Chemical characterization: Mixtures***

· ***Description:*** Mixture of substances listed below with nonhazardous additions.

· ***Dangerous Components:***		
102-71-6	Triethanolamine, TEA Skin Irrit. 2, H315; Eye Irrit. 2B, H320	20-40%
9038-95-3	Poly(ethylene glycol-ran-propylene glycol) monobutyl ether Acute Tox. 2, H300	1-5%

· ***Additional information:***
Concentration of Dangerous Components when diluted:
Triethanolamine, TEA: <1%
Poly(ethylene glycol-ran-propylene glycol) monoputyl ether: <0.1%

4 First-aid measures

· ***Description of first aid measures:***

· ***General information:***
Symptoms of poisoning may occur after several hours; therefore medical observation is advised for at least 48 hours after the accident.

· ***After inhalation:*** In case of unconsciousness place patient stably in side position for transportation.

· ***After skin contact:***
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.

· ***After eye contact:***
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

· ***After swallowing:*** Immediately call a doctor.

· ***Information for doctor:***

· ***Most important symptoms and effects, both acute and delayed:*** No further relevant information available.

· ***Indication of any immediate medical attention and special treatment needed:***
No further relevant information available.

5 Fire-fighting measures

· ***Extinguishing media:***

· ***Suitable extinguishing agents:*** Use fire fighting measures that suit the environment.

· ***Special hazards arising from the substance or mixture:*** No further relevant information available.

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Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/03/2015 Reviewed on 08/03/2015

Trade name: Kool Mist Formula 78

· ***Advice for firefighters:***
· ***Protective equipment:***
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental release measures

· ***Personal precautions, protective equipment and emergency procedures:*** Not required.
· ***Environmental precautions:*** Do not allow to enter sewers/ surface or ground water.
· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
· ***Reference to other sections:***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

· ***Handling***
· ***Precautions for safe handling:***
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· ***Information about protection against explosions and fires:*** No special measures required.

· ***Conditions for safe storage, including any incompatibilities:***
· ***Storage***
· ***Requirements to be met by storerooms and receptacles:*** Store only in the original receptacle.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:*** Keep receptacle tightly sealed.
· ***Specific end use(s):*** No further relevant information available.

8 Exposure controls/personal protection

· ***Additional information about design of technical systems:*** No further data; see section 7.

· ***Control parameters:***

· ***Components with occupational exposure limits:***	
102-71-6 Triethanolamine, TEA	
TLV	Long-term value: 5 mg/m³

· ***Additional information:*** The lists that were valid during the creation of this SDS were used as basis.

· ***Exposure controls:***
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· ***Breathing equipment:*** Not required.

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Issue date 08/03/2015 Reviewed on 08/03/2015

Trade name: Kool Mist Formula 78

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**

Tightly sealed goggles

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**

Form:	Liquid
Color:	Green
· **Odor:**	Vinegar
· **Odor threshold:**	Not determined.
· **pH-value:**	Acidic
· **Change in condition**	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	100 °C (212 °F)
· **Flash point:**	180 °C (356 °F)
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	305 °C (581 °F)
· **Decomposition temperature:**	Not determined.
· **Auto igniting:**	Product is not self-igniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	0.0 Vol %
Upper:	0.0 Vol %
· **Vapor pressure @ 20 °C (68 °F):**	23 hPa (17 mm Hg)

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Trade name: Kool Mist Formula 78

· **Density:**
Relative density: Not determined.
Vapor density: Not determined.
Evaporation rate: Not determined.

· **Solubility in / Miscibility with:**
Water: Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**
Dynamic: Not determined.
Kinematic: Not determined.

· **Solvent content:**
Organic solvents: 20.0 %
Water: 20.0 %
VOC content: 0 %
· **Other information:** No further relevant information available.

10 Stability and reactivity

· **Reactivity:** No further relevant information available.
· **Chemical stability:** Stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions:** No dangerous reactions known.
· **Conditions to avoid:** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects:**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
102-71-6 Triethanolamine, TEA		
Oral	LD50	5530 mg/kg (rat)
		2200 mg/kg (rabbit)
	LD50 Oral	2200 ml/kg (Guinea Pig)
		5846 ml/kg (mouse)
Dermal	LD50	>22500 mg/kg (rabbit)
9038-95-3 Poly(ethylene glycol-ran-propylene glycol) monobutyl ether		
Oral	LD50	12.792 mg/kg (rat)
Dermal	LD50	>20.800 mg/kg (rabbit)

· **Primary irritant effect:**
· **On the skin:** Irritant to skin and mucous membranes.
· **On the eye:**
Irritating effect.
Causes serious eye irritation.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

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Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Trade name: Kool Mist Formula 78

Harmful
Irritant

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**		
102-71-6	Triethanolamine, TEA	3

· **NTP (National Toxicology Program):**
None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**
None of the ingredients are listed.

12 Ecological information

· **Toxicity:**

· **Aquatic toxicity:**	
102-71-6 Triethanolamine, TEA	
EC50	609.98 mg/l (daphnia)

· **Persistence and degradability:** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential:** No further relevant information available.
· **Mobility in soil:** No further relevant information available.
· **Additional ecological information:**
· **General notes:** Not known to be hazardous to water.
· **Results of PBT and vPvB assessment:**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects:** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods:**
· **Recommendation:** Recycle or dispose with household trash.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number:**
· **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
· **UN proper shipping name:**
· **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
· **Transport hazard class(es):**

· **DOT, ADR, ADN, IMDG, IATA**
· **Class:** Non-Regulated Material
· **Packing group:**
· **DOT, ADR, IMDG, IATA** Non-Regulated Material
· **Environmental hazards:** Not applicable.
· **Special precautions for user:** Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

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Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/03/2015 Reviewed on 08/03/2015

Trade name: Kool Mist Formula 78

· **UN "Model Regulation":** Non-Regulated Material

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**
None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**
None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
None of the ingredients are listed.

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms:**

GHS07

· **Signal word:** Warning

· **Hazard-determining components of labeling:**
Poly(ethylene glycol-ran-propylene glycol) monobutyl ether
· **Hazard statements:**
Harmful if swallowed.
Causes skin and eye irritation.
· **Precautionary statements:**
Wear protective gloves.
Wash thoroughly after handling.

(Contd. on page 8)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/03/2015 *Reviewed on 08/03/2015*

Trade name: Kool Mist Formula 78

Do not eat, drink or smoke when using this product.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: Call a poison center/doctor if you feel unwell.
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Rinse mouth.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***National regulations:***

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· ***State Right to Know:***

102-71-6	Triethanolamine, TEA Skin Irrit. 2, H315; Eye Irrit. 2B, H320	20-40%
9038-95-3	Poly(ethylene glycol-ran-propylene glycol) monobutyl ether Acute Tox. 2, H300	1-5%

All ingredients are listed.

· ***Chemical safety assessment:*** A Chemical Safety Assessment has not been carried out.

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· ***Date of preparation / last revision:*** 08/03/2015 / 5

· ***Abbreviations and acronyms:***
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 2: Acute toxicity, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

· **** Data compared to the previous version altered.***
SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106