

# SAFETY DATA SHEET

## Section 1. Identification of the substance/mixture and of the company/undertaking

### Product identifier

**Product Name:** BM-6100 Fog Free Solution

### Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use(s):** Anti-fogging agent

### Details of the supplier of the safety data sheet

<b>Manufacturer:</b>	N.A.K.P Foto Inc. 2575 De Miniac Ville Saint Laurent, Quebec H4S 1E5 Canada	<b>Distributor:</b>	B.M. Group Inc. 5890 Monkland Avenue, Suite 16 Montreal Quebec H4A 1G2 Canada
<b>Website:</b>	www.nakpfoto.com	<b>Website :</b>	http://www.bmcanada.ca
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### Emergency telephone number

**Emergency contact:** 1-800-463-5060 Poison Control Center in Quebec, Canada

#### Notes:

While this antifog product is generally safe and effective during normal use as per directions on label and as per guidelines in this SDS, this SDS also contains valuable information critical to the safe handling and proper use of the product for large production plants, industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product.

## Section 2. Hazards identification

### Classification of the substance or mixture

#### GHS Classification for mixture:

This product has no hazards

### Label elements

#### Pictograms:

No available data for this section.

#### Signal Words:

No available data for this section.

#### Hazard Statements:

No available data for this section.

#### Precautionary Statements:

No available data for this section.

### Other hazards

No available data for this section.

### Section 3. Composition/information on ingredients

Identifiers	Ingredients	Percentage	Classification
67-63-0	Isopropyl alcohol	9.5%	
27274-31-3	Polyalkylene oxide (Poly(oxy-1,2-ethanediyl), alpha-2-propen-1-yl-omega-hydroxy-)	0.3%	

### Section 4. First-Aid Measures

#### Description of First Aid Measures

##### In the event of splashes or contact with eyes

Immediately flush with clean, low-pressure water for several minutes. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Immediately seek medical attention.

##### In the event of splashes or contact with skin

Wash contaminated areas thoroughly with water.

##### In the event of ingestion

Seek medical advice.

##### In the event of inhalation

If after inhalation you feel unwell, seek medical advice.

#### Most important symptoms and effects, both acute and delayed

No available data for this section.

#### Indication of any immediate medical attention and special treatment needed

No available data for this section.

### Section 5. Firefighting Measures

#### Extinguishing media

##### Suitable Extinguishing Media

**The suggested appropriate media:** Alcohol-type or universal-type foams. Carbon dioxide. Dry chemical.

The product is not flammable or combustible.

##### Unsuitable Extinguishing Media

No available data for this section.

#### Special hazards arising from the substance or mixture

##### Specific Hazards Arising from Combustion of Products

**Fire / decomposition hazards:** Toxic gases.

##### Combustion Products

No available data for this section.

#### Advice for firefighters

##### Protective Measures for Fire-Fighting

Wear self-contained breathing apparatus.

##### Special Protective Actions for Fire-Fighters

No available data for this section.

### Other Information for Fire Fighters

No available data for this section.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Ventilate area of leak or spill. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

### Environmental precautions

No available data for this section.

### Methods and material for containment and cleaning up

Pick up and place in a suitable container for reclamation or disposal.

### Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### Precautions for safe handling

Protect against physical damage. Keep container tightly closed.

### Conditions for safe storage, including any incompatibilities

#### Conditions for Safe Storage

**Keep away from:** Direct sunlight.

Keep container tightly closed. Store in a cool and dry area.

#### Suitable Packaging

Store in original container / packaging.

#### Incompatible Materials

No available data for this section.

### Specific end use(s)

No available data for this section.

## Section 8. Exposure Controls / Personal Protection

### Control parameters

#### Control Parameters / Limits for Product

No available data for this section.

#### Control Parameters / Limits for Component

Isopropyl alcohol

**ACGIH**

<b>TLV</b>	400 ppm STEL 400 mg/m <sup>3</sup> TWA 200 ppm TWA
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**NIOSH**

<b>REL</b>	1225 mg/m <sup>3</sup> STEL 500 ppm STEL 980 mg/m <sup>3</sup> TWA 400 ppm TWA
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**OSHA**

<b>PEL</b>	980 mg/m <sup>3</sup> TWA 400 ppm TWA
<b>TLV</b>	984 mg/m <sup>3</sup> STEL

## Exposure controls

### Engineering Measures

Eye wash stations are recommended in areas where product is stored in large quantities. For small volume use, ensure there is a sink nearby which employees can use to flush their eyes and skin appropriately in the event of accidental exposure.

### Respiratory Protection

Respiratory protection is required if the concentrations exceed the TLV. Certified self-contained breathing apparatus must be available in case of emergency.

### Eye/Face Protection

Wear safety goggles. In industrial plants or large production areas, ensure eye-wash stations are available. For use in small settings or offices, a procedure and training for washing eyes in a sink is recommended.

### Skin and Body Protection

Wear appropriate chemical resistant clothing.

### Hand Protection

Ensure gloves are certified. Wear impermeable gloves.

### Hygiene Measures

No available data for this section.

## Environmental exposure controls

No available data for this section.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Appearance</b>	Clear Blue
<b>Odor</b>	Not available
<b>Odor threshold</b>	Not available
<b>pH</b>	7
<b>Melting point</b>	Greater than 0°C / 32°F

Boiling point	Lesser than 100°C / 212°F
Flash Point	Not available
Evaporation rate	Not available
Flammability	Non-flammable
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.01 multiplier w/r/t water Conditions of Measurement: Temperature: 20°C / 68°F Pressure: 101.3kPa
Solubility	Very soluble
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Percent volatiles	99 %vol

## Other Information

No available data for this section.

## Section 10. Chemical Stability & Reactivity Information

### Reactivity

No available data for this section.

### Chemical Stability

This product is stable under ambient condition.

### Possibility of Hazardous Reactions

The product decomposes in high temperatures and produces toxic gas or vapor.

### Conditions to Avoid

**Keep away from:** Direct sunlight. Fire. Heat.

### Incompatible Materials

**Avoid contact or storage with:** Strong acids. Strong bases. Strong oxidizers.

### Hazardous Decomposition Products

**Decomposition will Result in Production of:** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## Section 11. Toxicological Information

### Information on toxicological effects

#### Toxicological Information for Product

No available data for this section.

## Toxicological Information for Component

### Isopropyl alcohol

<b>LC50 Inhalation - Not Specified</b>	53000 mg/m <sup>3</sup> Mouse. 16000 ppmV (8h), Rat. 72600 mg/m <sup>3</sup> Rat.
<b>LD50 Dermal</b>	12800 mg/kg Rabbit.
<b>LD50 Oral</b>	3600 mg/kg Mouse. 6410 mg/kg Rabbit. 5000 to 5045 mg/kg Rat.

## Irritation/Corrosion Information for Product

No available data for this section.

## Irritation/Corrosion Information for Component

### Isopropyl alcohol

**Draize Test - Eye:** 100 mg, Rabbit, Severe. 10 mg, Rabbit, Moderate. 100 mg(24hr), Rabbit, Moderate.  
**Draize Test - Skin:** 500 mg, Rabbit, Mild.

## Section 12. Ecological Information

### Toxicity

#### Ecotoxicity Values for Product

No available data for this section.

#### Ecotoxicity Values for Component

##### Isopropyl alcohol

**LC50 Environmental** 64000 to 100000 mg/l (96h), Fish, Fathead Minnow.

### Persistence and degradability

No available data for this section.

### Bioaccumulative potential

#### Bioaccumulative Potential for Product

No available data for this section.

#### Bioaccumulative Potential for Component

No available data for this section.

### Mobility in soil

No available data for this section.

### Results of PBT and vPvB assessment

No available data for this section.

### Other adverse effects

No available data for this section.

## Section 13. Disposal Considerations

### Waste treatment methods

#### Waste Disposal Regulation(s) / Operation

Disposal, treatment or recycling of industrial waste must comply with applicable regulations to preserve the environment. Transfer to a suitable container and arrange for collection by specialized disposal company. May be discharged to wastewater treatment installation. Avoid release to the environment. Hazardous waste due to toxicity.

### Waste Treatment Methods

No available data for this section.

## Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
UN number	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
UN proper shipping name	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Transport hazard class(es)	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Packing group	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Environmental hazards	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Special precautions for user	No available data for this section.			
Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
Other	This product is not regulated for transport			

## Section 15. Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Safety, Health and Environmental Regulations for Product

No available data for this section.

#### Safety, Health and Environmental Regulations for Component

Isopropyl alcohol

##### WHMIS (Canada):

Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

Class D-2B: Material causing other toxic effects (TOXIC).

**Federal and State Regulations:**

Connecticut Hazardous Material Survey.  
Illinois Toxic Substances Disclosure to Employee Act.  
Rhode Island RTK Hazardous Substances.  
Pennsylvania RTK.  
Florida.  
Minnesota.  
Massachusetts.  
New Jersey.  
New Jersey Spill List.  
Director's List of Hazardous Substances.  
Tennessee.  
TSCA 8(b) inventory.  
TSCA 4(a) Final Testing Order.  
TSCA 8(a) IUR.  
TSCA 8(d) H and S data reporting.  
TSCA 12(b) One Time Report.  
SARA 313 toxic chemical notification and release reporting.

## Chemical safety assessment

No available data for this section.

## Section 16. Other Information

### Disclaimer

The above information is accurate to the best of our knowledge, however since data, safety standards and government regulations change, and the conditions of handling and use or misuse are beyond our control, manufacturer and distributor, above mentioned, make no warranty either expressed or implied with respect to the completeness or continuing accuracy of information herein and disclaims all liability for reliance thereon. Do not use ingredient information and / or ingredient percentages in this SDS as a product specification.

### Glossary

**ACGIH:** American Conference of Governmental Industrial Hygienists.

**DOT:** Department of Transportation, USA.

**LC 50:** Lethal Concentration which is lethal to 50% of the population.

**LD 50:** Lethal Dose which is lethal to 50% of the population.

**N/A:** Not applicable.

**N/AV:** Not available.

**N/D:** Not determined.

**OSHA:** US Occupational Safety and Health Administration, US Department of Labor.

**PEL:** Permissible Exposure Limit.

**TLV:** Threshold Limit Value.

**TWA:** Time Weighted Average.

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