

# SAFETY DATA SHEET

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

### Product identifier

**Product Name:** BM-5000 General Purpose Cleaner Concentrate

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

**Recommended Use(s):** Cleaning in ultrasonic unit

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

|                           |                                                                                      |                                                     |                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Manufacturer:</b>      | N.A.K.P Foto Inc.<br>2575 De Miniac<br>Ville Saint Laurent, Quebec H4S 1E5<br>Canada | <b>Distributor:</b>                                 | B.M. Group Inc.<br>5890 Monkland Avenue, Suite 16<br>Montreal Quebec H4A 1G2<br>Canada |
| <b>Website:</b>           | www.nakpfoto.com                                                                     | <b>Website :</b>                                    | http://www.bmcanada.ca                                                                 |
| <b>Email:</b>             | paul@nakpfoto.com                                                                    | <b>Email:</b>                                       | info@bmcanada.ca                                                                       |
| <b>Tel (514) 932-8057</b> |                                                                                      | <b>Tel: (514) 738-5200 Toll Free 1-800-561-9818</b> |                                                                                        |
| <b>Fax (514) 932-8057</b> |                                                                                      | <b>Fax: (514) 738-2290</b>                          |                                                                                        |

### Emergency telephone number

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

### Notes:

While this cleaning 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:

Serious eye damage - Category 1

### Label elements

#### Pictograms:



#### Signal Words:

Danger

#### Hazard Statements:

Causes serious eye damage.

#### Precautionary Statements:

##### Prevention

Wear protective gloves, eye protection.

##### Response

Immediately call a doctor.

IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.

IF IN EYES: Rinse cautiously with water for several minutes.

### Disposal

Dispose of contents in accordance with all local, regional, national and international regulations.

## Section 3. Composition/information on ingredients

### Substances

No available data for this section.

### Mixtures

| Identifiers | Ingredients             | Percentage | Classification |
|-------------|-------------------------|------------|----------------|
| 67-63-0     | Isopropyl Alcohol       | 10%        |                |
| 61791-32-0  | Sodium Cocoamphoacetate | 5%         |                |

## 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. Wear protective goggles to prevent contact with eyes. Wear full protective clothing.

### 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 spill area. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

### Environmental precautions

Product not qualified as dangerous for the environment.

### Methods and material for containment and cleaning up

Residual liquid should be absorbed and placed in separate container.

### Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### Precautions for safe handling

Protect against physical damage. Eye wash stations and showers 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.

### 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

**Sodium Cocoamphoacetate**

No data available.

**Isopropyl Alcohol**

|                  |                         |
|------------------|-------------------------|
| OSHA PEL (TWA)   | 400 ppm.<br>980 mg/m3.  |
| NIOSH REL (TWA)  | 400 ppm.<br>980 mg/m3.  |
| NIOSH REL (STEL) | 500 ppm.<br>1225 mg/m3. |
| ACGIH TLV (TWA)  | 200 ppm.<br>491 mg/m3.  |
| ACGIH TLV (STEL) | 400 ppm.<br>984 mg/m3.  |

**Exposure controls****Engineering Measures**

In industrial plants or large production areas, ensure eye-wash stations and safety showers are available.

**Respiratory Protection**

In industrial plants or large production areas, certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV.

**Eye/Face Protection**

Wear chemical goggles or face shield. 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>       | Slight yellow              |
| <b>Odor</b>             | Slight lemon               |
| <b>Odor threshold</b>   | Not available              |
| <b>pH</b>               | 7.8                        |
| <b>Melting point</b>    | Lesser than 0°C / 32°F     |
| <b>Boiling point</b>    | Greater than 100°C / 212°F |
| <b>Flash Point</b>      | Not available              |
| <b>Evaporation rate</b> | Not available              |
| <b>Flammability</b>     |                            |

|                                      |                                                                              |
|--------------------------------------|------------------------------------------------------------------------------|
|                                      | Liquid                                                                       |
|                                      | Non flammable                                                                |
| Flammability limit                   | Not available                                                                |
| Vapor pressure                       | 22 mmHg                                                                      |
|                                      | Conditions of Measurement:<br>Temperature: 25°C / 77°F<br>Pressure: 101.3kPa |
| Vapor density                        | Not available                                                                |
| Relative density                     | 1.02 multiplier w/r/t water<br>@20C                                          |
| Solubility                           | Miscible                                                                     |
| 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                    | 80 %vol                                                                      |
| Evaporation rate w/r/t ether         | Not available                                                                |
| Evaporation rate w/r/t butyl acetate | Not available                                                                |
| Relative density w/r/t water         | 1.02                                                                         |
| Relative density w/r/t air           | Not available                                                                |

## 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). Hydrogen cyanide. Oxides of nitrogen (NO<sub>x</sub>).

## 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>Draize Test - Eye</b>  | 100 mg, Rabbit, Severe.<br>10 mg, Rabbit, Moderate.<br>100 mg(24hr), Rabbit, Moderate.    |
| <b>Draize Test - Skin</b> | 500 mg, Rabbit, Mild.                                                                     |
| <b>LD 50 Dermal</b>       | 12800 mg/kg, Rabbit.                                                                      |
| <b>LC 50 Inhalation</b>   | 53000 mg/m <sup>3</sup> , Mouse.<br>72600 mg/m <sup>3</sup> , Rat.<br>16000 ppm(8h), Rat. |
| <b>LD 50 Oral</b>         | 3600 mg/kg, Mouse.<br>6410 mg/kg, Rabbit.<br>5000 - 5045 mg/Kg, Rat.                      |

#### Sodium Cocoamphoacetate

**Reproductive toxicity** No data available.

### Irritation/Corrosion Information for Product

No available data for this section.

### Irritation/Corrosion Information for Component

#### Sodium Cocoamphoacetate

**Respiratory Sensitization:** No data available.  
**Eyes:** Risk of serious damage to eyes.  
**Skin:** Repeated or prolonged contact may cause slight irritation.

## Section 12. Ecological Information

### Toxicity

#### Ecotoxicity Values for Product

No available data for this section.

#### Ecotoxicity Values for Component

##### Sodium Cocoamphoacetate

**Toxicity:** Toxic to fish. Toxic to aquatic invertebrates. Harmful to algae.

##### Isopropyl Alcohol

**LC 50 Fish:** 64000 - 100000 mg/l(96h), Fathead Minnow.

### Persistence and degradability

Sodium Cocoamphoacetate - Biodegradable.

### Bioaccumulative potential

#### Bioaccumulative Potential for Product

No available data for this section.

#### Bioaccumulative Potential for Component

##### Sodium Cocoamphoacetate

**Bioaccumulation:** Low potential.

## 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.

#### Waste Treatment Methods

No available data for this section.

## Section 14. Transportation Information

|                                                                           | ADR                                         | IMDG                                | IATA                                | DOT                                 |
|---------------------------------------------------------------------------|---------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>UN number</b>                                                          | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
| <b>UN proper shipping name</b>                                            | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
| <b>Transport hazard class(es)</b>                                         | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
| <b>Packing group</b>                                                      | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
| <b>Environmental hazards</b>                                              | No available data for this section.         | No available data for this section. | No available data for this section. | No available data for this section. |
|                                                                           |                                             |                                     |                                     |                                     |
| <b>Special precautions for user</b>                                       | No available data for this section.         |                                     |                                     |                                     |
| <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | No available data for this section.         |                                     |                                     |                                     |
| <b>Other</b>                                                              | 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

**Sodium Cocoamphoacetate**

**REACH (EU regulation (EC) 1907/2006):** Registered.

**Isopropyl Alcohol**

**OSHA:** Present.

**SARA 313:** Present.

**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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