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

Manufacturer:
N.A.K.P Foto Inc.
2575 De Miniac
Ville Saint Laurent, Quebec H4S 1E5
Canada

Website: www.nakpfoto.com

Email: paul@nakpfoto.com

Tel (514) 932-8057
Fax (514) 932-8057

Distributor:
B.M. Group Inc.
4950 CH Queen Mary, Suite 100 Mezzanine
Montreal Quebec H3W 1X3 Canada

Website : http://www.bmcanada.ca

Email: info@bmcanada.ca

Tel: (514) 738-5200 Toll Free 1-800-561-9818
Fax: (514) 738-2290

Emergency telephone number

Emergency Contact: **Emergency:** 1-800-463-5060 Poison Control Center in Quebec
1-844-764-7669 Poison Control Center in 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	1-5% *	
61791-32-0	Sodium Cocoamphoacetate	1-5% *	

*Actual concentration withheld as a trade secret.

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. 980 mg/m3.
NIOSH REL (TWA)	400 ppm. 980 mg/m3.
NIOSH REL (STEL)	500 ppm. 1225 mg/m3.
ACGIH TLV (TWA)	200 ppm. 491 mg/m3.
ACGIH TLV (STEL)	400 ppm. 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

Physical State	Liquid
Appearance	Slight yellow
Odor	Slight lemon
Odor threshold	Not available
pH	7.8
Melting point	Lesser than 0°C / 32°F
Boiling point	Greater than 100°C / 212°F
Flash Point	Not available
Evaporation rate	Not available
Flammability	

	Liquid Non flammable
Flammability limit	Not available
Vapor pressure	22 mmHg Conditions of Measurement: Temperature: 25°C / 77°F Pressure: 101.3kPa
Vapor density	Not available
Relative density	1.02 multiplier w/r/t water @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_2). Carbon monoxide (CO). Hydrogen cyanide. Oxides of nitrogen (NO_x).

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

No available data for this section.

Toxicological 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.
LD 50 Dermal	12800 mg/kg, Rabbit.
LC 50 Inhalation	53000 mg/m3, Mouse. 72600 mg/m3, Rat. 16000 ppm(8h), Rat.
LD 50 Oral	3600 mg/kg, Mouse. 6410 mg/kg, Rabbit. 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
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	**Not regulated for transport.**	**Not regulated for transport.**	**Not regulated for transport.**	**Not regulated for transport.**
Transport hazard class(es)	**Not regulated for transport.**	**Not regulated for transport.**	**Not regulated for transport.**	**Not regulated for transport.**
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

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.

Prepared by: N.A.K.P. Foto Inc.