

SAFETY DATA SHEET

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

Product identifier

Product Name: BM-F2000 Tank and Transport Cleaner

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

Recommended Use(s): Specialized cleaner for dental x-ray processors and gear system

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	Distributor:	B.M. Group Inc. 5890 Monkland Avenue, Suite 16 Montreal Quebec H4A 1G2 Canada
Website:	www.nakpfoto.com	Website :	http://www.bmcanada.ca
Email:	paul@nakpfoto.com	Email:	info@bmcanada.ca
Tel (514) 932-8057		Tel: (514) 738-5200 Toll Free 1-800-561-9818	
Fax (514) 932-8057		Fax: (514) 738-2290	

Emergency telephone number

Emergency Contact: **Emergency:** 1-800-463-5060 Poison Control Center in Quebec, Canada
Canutec: 613-996-6666

Section 2. Hazards identification

Classification of the substance or mixture

GHS Classification for mixture:

Specific target organ toxicity - repeated exposure - Category 2
Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Serious eye damage - Category 1
Skin irritation - Category 2
Acute Toxicity Oral - Category 4
Corrosive to metals - Category 1

Label elements

Pictograms:



Signal Words:

Danger

Hazard Statements:

May be corrosive to metals.
 Harmful if swallowed.
 Causes skin irritation.
 Causes serious eye damage.
 May cause respiratory irritation.
 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention

Keep container tightly closed.
 Keep only in original packaging.
 Do not breathe dust, fume, gas, spray, mist, vapors.
 Avoid breathing dust, fume, gas, spray, vapors, mist.
 Wash exposed area thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves, protective clothing, face protection, eye protection.

Response

Immediately call a POISON CENTER, doctor.
 Call a POISON CENTER, doctor if you feel unwell.
 IF SWALLOWED: Call a POISON CENTER if you feel unwell.
 If skin irritation occurs: Get medical attention / advice.
 Get medical attention / advice if you feel unwell.
 Rinse mouth.
 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes.
 IF ON SKIN: Wash with plenty of water.
 Take off contaminated clothing. And wash it before reuse.
 Absorb spillage to prevent material-damage.

Storage

Store in a well-ventilated place.
 Store locked up.
 Store in a corrosion resistant container with a resistant inner liner.

Disposal

Dispose of contents as per local regulations. Dispose of container as per local regulations.

Section 3. Composition/information on ingredients

Substances

No available data for this section.

Mixtures

Identifiers	Ingredients	Percentage	Classification
506-89-8	Urea Hydrochloride	60%	

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.

In the event of splashes or contact with skin

Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention.

In the event of ingestion

DO NOT INDUCE VOMITING. If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. Immediately seek medical attention. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated. If the exposed person is conscious, give lots of water to drink. In case of ingestion of large quantities immediately take the exposed person to hospital.

In the event of inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt, or waistband. If the exposed person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious, or corrosive.

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: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. 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

Carbon dioxide (CO₂). Carbon monoxide (CO). Oxides of nitrogen (NO_x). Hydrogen chlorides.

Advice for firefighters

Protective Measures for Fire-Fighting

Wear self-contained breathing apparatus. Wear full protective clothing.

Special Protective Actions for Fire-Fighters

Avoid breathing gas / mist / dust / fume / vapor / spray / particles.

Other Information for Fire Fighters

No available data for this section.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

If outside: Keep bystanders upwind and away from danger point. Evacuate non responders from the area. Mark out the contaminated area with signs. Prevent access to unauthorized personnel. Ventilate spill area.

For large spills inside: Evacuate the room of anyone not wearing a self-contained breathing apparatus and who is not wearing approved protective equipment.

For minor spills: Make sure room is well ventilated. Wear self-contained breathing apparatus.

Environmental precautions

Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc).

Methods and material for containment and cleaning up

Large spills: Absorb with earth, sand, or other non-combustible material. If possible, the spilled liquid should be transferred to a waste container. Residual liquid should be absorbed and placed in separate container. Dispose of the material in accordance with government regulations. Ventilate area of leak or spill.

Small spill: Dilute with water and absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

Reference to other sections

No available data for this section.

Section 7. Handling and Storage

Precautions for safe handling

Avoid direct contact with the substance (solid / liquid / vapor). Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Protect against physical damage. Keep container tightly closed. Report immediately if physical damage, leakage, or spillage occurs. Wash Hands thoroughly after handling. 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

Storage Temperature: < 48°C.

Keep away from: Direct sunlight.

Store only in well-ventilated areas. Avoid storage with incompatible materials. Keep container closed when not in use.

Suitable Packaging

Compatible container / packaging material: Polyethylene. Polypropylene.

Incompatible Materials

INCOMPATIBLE container / packaging material: Aluminum. Metallic containers. Oxidizing materials. Acidic materials.

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

Urea Hydrochloride
OSHA PEL

Not established.

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation. 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

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

Ensure eye bath is at hand. Wear safety goggles.

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	Colorless
Odor	Mild odor
Odor threshold	Not available
pH	3 to 4
Melting point	-10°C / 14°F
Boiling point	100°C / 212°F
Flash Point	Not available
Evaporation rate	Not available
Flammability	Liquid Non Flammable or Combustible
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	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
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl a acetate	2.7
Relative density w/r/t wa water	1.21
Relative density w/r/t air	Not available

Other Information

No available data for this section.

Section 10. Chemical Stability & Reactivity Information

Reactivity

Stable up to 100C.

Chemical Stability

No available data for this section.

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: Acids. Aluminum.

Oxidizing agents. Chlorates. Nitrates. Hypochlorites. Alkaline materials.

Hazardous Decomposition Products

Decomposition will Result in Production of: Carbon dioxide (CO₂). Carbon monoxide (CO). Oxides of nitrogen (NO_x). Hydrogen Chloride gas.

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

No available data for this section.

Toxicological Information for Component

Urea Hydrochloride

LD 50 Oral 1121 mg/kg, Rat.

Irritation/Corrosion Information for Product

No available data for this section.

Irritation/Corrosion Information for Component

No available data for this section.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

No available data for this section.

Ecotoxicity Values for Component

Urea Hydrochloride

LC 50 Fish: >140 mg/l(96h), Rainbow Trout. 71.1 mg/l(48hr), Ceriodaphnia dubia).

EC 50 Crustaceans: 10 mg/l(15 min), Vibrio fisheri, 16.23% effect.

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

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

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.	UN 3265
UN proper shipping name	No available data for this section.	No available data for this section.	No available data for this section.	Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride)

	ADR	IMDG	IATA	DOT
Transport hazard class(es)	No available data for this section.	No available data for this section.	No available data for this section.	8
Packing group	No available data for this section.	No available data for this section.	No available data for this section.	III
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	Limited Quantity 1 L, Box < 30kg			

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

Urea Hydrochloride

DSL (Canada):	Present.
TSCA:	Present.
SARA:	Not present.

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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