

SAFETY DATA SHEET

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

Product identifier

Product Name: B4, Evacuation System Cleaner Concentrate

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

Recommended Use(s): To clean and deodorize suction lines

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: Sinclair Dental Co. Ltd.
900 Harbourside Drive,
North Vancouver, BC V7P 3T8
Canada

Website: www.nakpfoto.com

Website : <http://www.SinclairDental.com>

Email: paul@nakpfoto.com

Email: info@SinclairDental.com

Tel (514) 932-8057

Tel: (604) 986-1544 Toll Free 1-800-663-7393

Fax (514) 932-8057

Fax: 1-800-206-2999

Emergency telephone number

Emergency contact: 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 irritation - Category 2

Skin irritation - Category 2

Label elements

Pictograms:



Signal Words:

Warning

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

Precautionary Statements:

Prevention

Wash hands thoroughly after handling.

Wear protective gloves, protective clothing, eye protection, face protection.

Response

If eye irritation persists: Get medical attention / advice.

If skin irritation occurs: Get medical attention / advice.

If eye irritation persists: Get medical advice/attention.

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

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

IF ON SKIN: Wash with plenty of water and plenty of soap .

Take off contaminated clothing. And wash it before reuse.

Section 3. Composition/information on ingredients

Substances

No available data for this section.

Mixtures

Identifiers	Ingredients	Percentage	Classification
67-63-0	Isopropyl alcohol	4%	
7664-38-2	Phosphoric Acid	1.4%	
79-14-1	Glycolic acid	0.5%	

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

Immediately remove all contaminated clothing. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical 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. 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. Monitor for breathing difficulties. 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: 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: Corrosive gases. Toxic gases.

Combustion Products

Phosphorous oxide.

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

For large spills inside: Evacuate the room of anyone not wearing approved protective equipment.

For minor spills: Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

Environmental precautions

Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). If the product has entered a water course or sewer or contaminated soil or vegetation, advise the local emergency services and environmental authorities.

Methods and material for containment and cleaning up

Large spills: Ventilate spill area. 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.

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). Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Check container for defect or leakage before handling. Keep container tightly closed. Wash Hands thoroughly after handling. Report immediately if physical damage, leakage, or spillage occurs. 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.

Store only in well-ventilated areas. Keep container closed when not in use.

Suitable Packaging

Store in original container / packaging.

Incompatible Materials

Oxidizing materials. Basic 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

Phosphoric Acid

Ontario, Canada	3 mg/m ³ STEV. 1mg/m ³ TWAEV.
Quebec, Canada	3 mg/m ³ STEV. 1 mg/m ³ TWAEV.

Isopropyl alcohol

ACGIH

TLV	400 ppm STEL 400 mg/m ³ TWA 200 ppm TWA
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TLV	984 mg/m ³ STEL
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NIOSH

REL	1225 mg/m ³ STEL 500 ppm STEL 980 mg/m ³ TWA 400 ppm TWA
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OSHA

PEL	980 mg/m ³ TWA 400 ppm TWA
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Phosphoric Acid

ACGIH

TLV	3 mg/m ³ STEL 1 mg/m ³ TWA
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NIOSH

REL	1 mg/m ³ TWA 3 mg/m ³ STEL
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OSHA

PEL	3 mg/m ³ STEL 1 mg/m ³ TWA
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Exposure controls

Engineering Measures

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. Provide adequate general and local exhaust ventilation.

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

Physical State	Liquid
Appearance	Yellow
Odor	Slight lemon
Odor threshold	Not available
pH	6 Diluted 1 Concentrated
Melting point	Lesser than 0°C / 32°F
Boiling point	Greater than 100°C / 212°F
Flash Point	Not available

Evaporation rate	0.4 multiplier w/r/t butyl acetate
Flammability	Non-flammable
Flammability limit	Not available
Vapor pressure	24 mmHg
Vapor density	Not available
Relative density	1.095 multiplier w/r/t water
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

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: Alkalis. Strong bases. Alkali earth metals.

Hazardous Decomposition Products

Decomposition will Result in Production of: Corrosive gases. Toxic gases. Phosphorous oxide.

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

No available data for this section.

Toxicological Information for Component

Isopropyl alcohol

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

Glycolic acid

LC50 Inhalation - Not Specified 0.0071 mg/m³ (4h), Rat.
7.7 to 14 mg/l (4h), Hoeschst.
3.6 mg/l Male Rats, DuPont.
Greater than 5.2 mg/l Female Rats, DuPont.

LD50 Oral 1950 mg/kg Rat.

Phosphoric Acid

LD50 Dermal 2740 mg/kg Rat, Behavioral effects noted.

LD50 Oral 1530 mg/kg Rat, Behavioral, kidney, bladder and hair effects noted.

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.

Glycolic acid

Draize Test - Eye: 2 mg, Rabbit, Severe.

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.

Glycolic acid

LC50 Environmental 93 mg/l (24-48h), Fish, Bluegill/Sunfish.
164 mg/l (96h), Fish, Fathead Minnow.
141 mg/l (48h) Water Flea, Daphnia.

Phosphoric Acid

LC50 Environmental 38 mg/l (96h), Fish, Mosquitofish.

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

Transfer to a suitable container and arrange for collection by specialized disposal company. May be discharged to wastewater treatment installation. Avoid release to soil. Users need to pay attention to the possible existence of regional or national regulations regarding disposal. 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

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.

Glycolic acid

TSCA:	Present.
SARA 313:	Not reportable.
Canadian Ingredient Disclosure List:	Present.
Canada DSL:	Present.

Phosphoric Acid

TSCA:	Present.
SARA 313:	Present.
SARA 302/304/311/312:	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.

ADR: American depositary receipt.

DOT: Department of Transportation, USA.

DSL: Department Safety Liaison.

EINECS: European Inventory of Existing Commercial Chemical Substances.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods.

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.

NIOSH: The National Institute for Occupational Safety and Health.

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

PEL: Permissible exposure limit. An exposure limit that is published and enforced by OSHA as a legal standard.

PBT: Persistent, Bioaccumulative and Toxic.

REL: Recommended Exposure Limit.

SARA:

STEL: Short Term Exposure Limit.

STEV:

TLV: Threshold Limit Value.

TSCA: Toxic Substances Control Act.

TWA: Time Weighted Average.

TWAEV: Time Weighted Average Exposure Value.

vPvB: Very Persistent and Very Bioaccumulative.

WHMIS: Workplace Hazardous Materials Information System.

Prepared by: CompleteSDS

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