

KP 974

SECTION 1. IDENTIFICATION

Product Identifier	KP 974
Other Means of Identification	Cleaner-degreaser-disinfectant
Product Family	Concentrate to be diluted
Recommended Use	Cleaner degreaser.
Restrictions on Use	For industrial/professional use only.
Manufacturer/Supplier Identifier	KEMPRO SERVICES INC. 6068 Métropolitain Est, Suite 100, Montréal, QC H1S 1A9 Telephone: 1 800-299-0548 Fax: (514) 447-3739

Emergency Phone No. CANUTEC (24 hours) 1-613-996-6666

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Skin irritation - Category 2; Serious eye damage - Category 1

Label Elements

Signal Word:

Danger

Hazard Statement(s):

Causes skin irritation.

Causes serious eye damage.

Precautionary Statement(s):

Prevention:

Wash hands thoroughly after handling.

Wear eye protection/face protection.

Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTRE or doctor.
Specific treatment (see supplemental first aid instruction on this label).

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium Metasilicate	6834-92-0	1-5	none	none
Alcohols, C12-15, ethoxylated	68131-39-5	1-5	none	none

Notes

Concentrations are expressed in % weight/weight.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation occurs, get medical advice or attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: symptoms include sore, red eyes, and tearing. If on skin: symptoms include slight redness and swelling. If swallowed: can irritate the mouth, throat and stomach. If inhaled: not expected.

Immediate Medical Attention and Special Treatment

Target Organs

No further relevant information available.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

If heated, a pressure increase will occur and the container may burst. Not known to generate any hazardous decomposition products in a fire.

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Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of split/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Concentrated product: contain and soak up spill with absorbent that does not react with spilled product. (sand, vermiculite, diatomaceous earth) place used absorbent into suitable, covered, labelled containers for disposal.

Other Information

None other.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes. It's a good practice to wear safety glasses when manipulate chemical product. Prevent skin contact. Wash hands thoroughly after handling. General Hygiene: When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Take off all contaminated clothing and wash it before reuse. Keep the container tightly closed. Avoid inhaling vapours or fumes from this product.

Conditions for Safe Storage

Store in the original, labelled, shipping container. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Sodium Metasilicate	Not established		Not established			
Alcohols, C12-15, ethoxylated	Not established	Not established	Not established			

Consult local authorities for provincial exposure limits.

Appropriate Engineering Controls

General ventilation is usually adequate. Do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Wear chemical resistant gloves. Wear protective work clothing.

Respiratory Protection

Not normally required if product is used as directed.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Green. Particle Size: Not applicable
Odour	Citrus
Odour Threshold	Not available
pH	13.3
Melting Point/Freezing Point	Not applicable (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	1.071
Solubility	Miscible in any proportion in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Bulk Density	Not applicable
Surface Tension	Not available
Critical Temperature	Not applicable
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not applicable
Saturated Vapour Concentration	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperature and freezing can compromise the integrity or efficiency of the product. None under recommended storage.

Incompatible Materials

Do not mix with any other detergent or other cleaner. Do not mix with acids or cationic materials. Not corrosive to metals.

Hazardous Decomposition Products

Hazardous Decomposition will not occur. Thermal decomposition on burning may produce toxic gases. Very toxic

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carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium Metasilicate	Not available	1153 mg/kg (rat)	Not available
Alcohols, C12-15, ethoxylated	Not available	> 5000 mg/kg (rat)	> 2000 mg/kg (rat)

Oral ATEmix = 59024 mg/kg

Dermal ATEmix = 83333 mg/kg

Skin Corrosion/Irritation

Direct skin contact may cause irritation.

Serious Eye Damage/Irritation

Avoid contact with eye Direct contact can cause serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Vapours and mist will irritate throat and respiratory system and cause coughing.

Skin Absorption

No information was located.

Ingestion

No information was located.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information available.

Respiratory and/or Skin Sensitization

No information available.

Carcinogenicity

No information was located.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

Other Information

ATE = Acute toxicity estimates.

Calculate by Canwrite function as per purple book GHC (chapter 3.1)

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SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Ecotoxicity

No information was located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Recycle and reuse product, if possible. Empty containers retain product residue. Follow label warnings even if container appears to be empty. Do not reuse empty containers. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1903	CORROSIVE LIQUID DESINFECTANT, N.O.S, (ammonium quaternary compounds,)	8	III

Special Precautions Please note: Limited quantity 5L

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by WHMIS.

SECTION 16. OTHER INFORMATION

NFPA Rating Health - 3 Flammability - 0 Instability - 0

SDS Prepared By Technical services

Date of Last Revision septembre 04, 2019

Key to Abbreviations

LC 50 = Létal concentration

LD 50 = Létal dose

PEL= Permissible exposure limit. (OSHA HCS limit)

TLV = Threshold Limit Value (ACGIH limit)

TWA = Time-Weighted Average

STEL [C] = Short Term Exposure Limit [ceiling]

OSHA = Occupational Safety and Health Administration (United States)

ACGIH® - American Conference of Governmental Industrial Hygienists

AIHA® = AIHA® Guideline Foundation

HSDB® = Hazardous Substances Data Bank

IARC = International Agency for Research on Cancer

NIOSH = National Institute for Occupational Safety and Health

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NTP = National Toxicology Program
RTECS® = Registry of Toxic Effects of Chemical Substances
CNESST = Committee on Standards, Equity, Health and Safety at Work (Quebec)

References

CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS). Revised 2015-04-14
CNESST site: www.csst.qc.ca/en/prevention/reptox
Manufacturer datasheets.

Disclaimer

The information in this safety data sheet are, to our knowledge, according to our information and belief, accurate at the date of publication. This information is provided as a guide for the safe handling, use, processing, storage, transportation, disposal and disposal of the product, and should not be considered as any guarantee or quality standard. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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