



Alouette Ware Wash Chemicals Inc.

#2130 - 1850 Savage Road, RICHMOND, BC Tel: 604.233.7722

24 HOUR NUMBER: CANUTEC 613-996-6666

Safety Data Sheet K-10

SECTION 1. IDENTIFICATION

Product Identifier	K-10 L F OSTRO DINE
Recommended Use	cleaner-sanitizer
Restrictions on Use	cleaner-sanitizer
Initial Supplier Identifier	Alouette Ware Wash Chemicals Inc. 2130-1851 Savage Road Richmond BC V6V 1R1 604-233-7722 www.alochem.com
Emergency Telephone Number	CANUTEC 613-996-6666

SECTION 2. HAZARD IDENTIFICATION

Classification	Eye Damage/Irritation - Category 1 Skin Corrosion/Irritation - Category 1
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Label Elements

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statement(s): Causes severe skin burns and eye damage.

Precautionary Statement(s):

Prevention:	Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, and eye/face protection.
Response:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician. 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 physician. Storage: Store locked up. Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Physical/health hazards not otherwise classified:

not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
lactic acid (88%)	79-33-4	5.0%		
titratable iodine	26617-87-8	4.4%		

SECTION 4. FIRST-AID MEASURES

Necessary Measures:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.

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 physician.

Most important symptoms, both acute and delayed:

Causes serious eye damage.

Causes severe skin burns and eye damage.

Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

SECTION 5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate carbon monoxide, carbon dioxide and oxides of sodium.

Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Do not breathe dusts or mists.

Wash hands thoroughly after handling.

Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

Store locked up.

Keep out of reach of children. Store in a cool, dry area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters - Exposure limits:

Ingredient:	Limit:
lactic acid (88%)	not available
titratable iodine	not available

Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	brown, viscous liquid
Odour:	not available
Odour threshold:	not available
pH:	1.2; 1% solution: 2.2
Melting/Freezing point:	not available
Initial boiling point and range:	not available
Flash point:	not applicable
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	1.026
Solubility(ies):	100%
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available

SECTION 10. STABILITY AND REACTIVITY**Reactivity:**

This material is considered to be non-reactive under normal use conditions.

Chemical stability:

Stable.

Possibility of hazardous reactions:

Reacts with metals

Conditions to avoid (e.g.: static discharge, shock or vibration):

not applicable

Incompatible materials:

Oxidizers / Base

Hazardous decomposition products:

not available

SECTION 11. TOXICOLOGICAL INFORMATION**POTENTIAL ACUTE HEALTH EFFECTS**

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye damage.
Skin contact:	Causes severe skin burns and eye damage.
Skin absorption:	not available

POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation:	not available
Ingestion:	not available
Eye contact:	not available
Skin contact:	not available
Skin absorption:	not available
Mutagenicity:	not available
Carcinogenicity:	This information, if applicable, can be found in Section 2.
Reproductive toxicity:	This information, if applicable, can be found in Section 2.
Sensitization of product:	This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - single exposure:	This information, if applicable, can be found in Section 2.
Specific Target Organ Toxicity - repeated exposure:	This information, if applicable, can be found in Section 2.

Toxicological Data:

<u>Ingredient:</u>	<u>Data:</u>
lactic acid (88%)	Oral LD50: 3730 mg/kg (rat)
titratable iodine	Oral LD50: 3150 mg/kg (rat)

Other Toxicological Information on Ingredients:

titratable iodine

An ingredient in this product contains iodine. Prolonged or repeated overexposure to iodine may cause adverse chronic health effects. Symptoms of iodine poisoning may include skin rashes, headache, diarrhea, rhinitis, anemia, bronchitis, general depression and effects on the thyroid (goiters).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available):	not available
Persistence and degradability:	not available
Bioaccumulative potential:	not available
Mobility in soil:	not available
Other adverse effects:	not available
Ecological Information on Ingredients:	not available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

SECTION 14. TRANSPORT INFORMATION

TDG classification: UN 3265; CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (LACTIC ACID); CLASS 8; PG III

SECTION 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SECTION 16. OTHER INFORMATION

Prepared by: Alouette Ware Wash Chemicals Inc.
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This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Alouette Ware Wash Chemicals Inc.

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