

Material Safety Data Sheet

Section 1 Product identification and use

Product name SELECT DISHMATIC DETERGENT

Product use DISHMATIC DETERGENT

Supplier/manufacturer's name

L.T.M.LEBANESE TEXTILE MILLS

Address

BLDG.27, ST.ELIAS STREET #82

MKALLES

LEBANON

Phone number

Emergency telephone number (613) 996-6666

Section 2 WHMIS classification

E
D2B



Transport Regulation

Caustic Alkali Liquids, N.O.S.* (Potassium Hydroxide, Sodium Hydroxide)

class 8 **UN** 1719 **group** II

Section 3 Hazardous ingredients

Ingredients	CAS number	LD 50	LC 50	%
Trisodium nitrilotriacetate monohydrate	5064-31-3	1500 mg/Kg (oral, rat)	N.A.	15-40
Potassium hydroxide	1310-58-3	365 mg/kg (oral, rat)	N.A.	7-13
Sodium hydroxide	1310-73-2	N.A.	N.A.	1-5

Section 4 Physical data

Physical state Liquid	Odour None	Appearance Clear	Colour None
Solubility (water) Miscible	Vapour density (air=1) N.A.	Boiling point (°C) N.A.	Freezing point (°C) N.A.
pH (20°C) 11.7-12.3 (1% solution)	Specific gravity/density (g/cc)(20°C) 1.315-1.335	Viscosity (20°C) N.A.	Melting point (°C) N.A.

Section 5 Fire and explosion data

Lower flammable limit (%/volume) N.Ap.	Upper flammable limit (%/volume) N.Ap.	Autoignition temperature (°C) N.Ap.	Flashpoint (°C) N.Ap.
--	--	---	---------------------------------

Flammability
Non-flammable.

Extinguishing media

Water, CO2, dry powder, foam.

Hazardous combustion products

Oxides of nitrogen.

Special fire fighting procedures

In case of fire, use recommended safety equipment including a self contained breathing apparatus.

Special precautions

None.

Section 6 Reactivity data

Stability

Stable.

Hazardous polymerization

Will not occur.

Incompatibility

Strong acids, soft metals.

Reactivity

Moderate reaction with strong acids.

Hazardous decomposition products

Oxides of Nitrogen on burning.

Section 7 Toxicological properties

Eye contact

May cause burns.

Skin contact

May cause burns.

Inhalation

Mist or spray may cause severe irritation to the upper-respiratory tract.

Ingestion

Will cause severe damage to throat and gastro-respiratory tract.

Effects of chronic exposure

As above.

LD50 for product (calculated)

N.A.

LC50 for product (calculated)

N.A.

Other toxic effects

This product contains NTA, which is a suspect carcinogen when administered in high doses to laboratory animals. However, by ACGIH guidelines, NTA would not be considered an occupational carcinogen of any practical significance.

Section 8 Preventive measures

Protective equipment

HANDS: Wear Neoprene or rubber gloves.

EYES: Wear safety glasses with side shields.

RESPIRATORY APPARATUS: Not required.

Engineering controls

Normal ventilation.

Leak and spill procedures

Contain spill. Neutralize with dilute acid. Absorb with an inert absorbing material and collect into adequate containers. Flush residues with plenty of water.

Waste disposal

Dispose in accordance with environmental regulations.

Storage requirements

Keep containers closed in a cool dry place away from incompatible materials.

Section 9 First aid measures

Eye Flush affected eye with water for at least 30 minutes holding eyelid open. Obtain medical attention IMMEDIATELY.

Skin Immediately flush with water for at least 15 minutes. Remove contaminated clothing under running water.

Inhalation Remove to fresh air.

Ingestion Do not induce vomiting. If conscious, have victim drink plenty of milk or water. Obtain medical attention IMMEDIATELY. Never give anything by mouth to an unconscious person.

General recommendations

Avoid contact with eyes, skin and clothing.

Section 10 Informations on MSDS preparation

Preparation or last revision of this document by the Technical Department: 08/01/2000

Abbreviations used : N.A. = Not available N.Ap.= Not applicable

The above information is intended to describe our product in respect to safety and handling requirements only. We have attempted to be complete and correct; however, liability for any damage or injury is hereby declined since condition of use and utilization of the product are beyond our control. Observance of all legal requirements is the responsibility of the user.

