

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME: FORMULA F-685****DATE: February 12, 2009****SUPPLIER:**

Melrose Chemicals Ltd.
2323-46th ave.
Lachine, QC
CANADA H8T 3C9
Tel: +1 (514) 631-2998
Fax: +1 (514) 631-2997
E-mail: prodsafe@melrosechem.com

PRODUCT USE: Cleaner**II. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** C, corrosive**Hazards for humans:** Causes burns.**Hazards for environment:** Not applicable.**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Sodium Hydroxide	011-002-00-6	215-185-5	1310-185-5	40 - 70	C; R35
Sodium Carbonate	011-005-00-2	207-838-8	497-19-8	15 - 40	Xi; R36

Ingredients according to Directive 2004/648/EC

Non-ionic surfactants <5%
Aliphatic hydrocarbons <5%

IV. FIRST AID MEASURES**Contact with skin:** Wash exposed area with soap and water and rinse well.**Contact with eyes:** Flush with plenty of water. Get medical attention if irritation persists.**Inhalation:** Not applicable.**Ingestion:** If victim is conscious, give two glasses of water to drink. Call a physician. Do not give anything by mouth to an unconscious person.**V. FIRE FIGHTING MEASURES****Conditions of flammability:** Not flammable.**Means of extinction:** Not applicable.**Hazardous combustion products:** Not applicable.**Unusual fire and explosion hazards:** None**VI. ACCIDENTAL RELEASE MEASURES****Procedures to be followed in case of spills or leaks:** Small amounts - Flush with water.

Large amounts - Contain spill and collect into waste container. Flush spill area with water.

Personal protective equipment to be used: Protective gloves and safety glasses.**VII. HANDLING AND STORAGE****Special handling procedures and equipment:** Not applicable.**Specific storage requirements:** Not applicable.**VIII. EXPOSURE CONTROL/PERSONAL PROTECTION****Respiratory Protection:** Dust mask if necessary.**Protective Gloves:** Nitril or neoprene.**Eye Protection:** Safety glasses.**Additional Protective Equipment:** Not applicable.**Ventilation:** Use with adequate ventilation.**IX. PHYSICAL AND CHEMICAL PROPERTIES****Flashpoint and method of determination:** Not applicable.**Flammable limits (% in air): LOWER:** Not applicable. **UPPER:** Not applicable.**Auto-Ignition temp.:** Not applicable.

MATERIAL SAFETY DATA SHEET

Page No. 2 of 3

Physical State: Powder
Coefficient of n-octanol/water distribution: Not determined.
Odour: None
Specific Gravity: Not applicable.
Vapour Pressure: Not applicable.
Evaporation Rate: Not applicable.
Solubility in water: Complete

Vapour density: Not applicable.
Boiling Point: Not applicable.
Freezing Point: Not applicable.
pH: 12.9 (1% solution)
Colour: Off-white
Odour threshold: Not applicable.

X. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions. Hazardous polymerization will not occur.
Incompatible substances: Avoid strong oxidizing and reducing agents and strong acids.
Conditions of reactivity: Avoid contamination with reactive substances.
Hazardous decomposition products: None

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Dust on skin and in eyes.
Exposure Limits: LD₅₀ (Calculated) 4000 mg/kg
Effect of acute and chronic exposure to product: Causes burns. Irritating to respiratory system.
Irritating: No
Sensitisation to product: No
Carcinogenicity: Data not available.
Reproductive toxicity: Data not available.
Teratotoxicity: Data not available.
Mutagenicity: Data not available.
Name of toxicologically synergistic product(s): Data not available.

XII. ECOLOGICAL CONSIDERATIONS

Environmental toxicity information: Product conforms to the regulations regarding the biodegradability of the surfactants. (Directive 2004/648/EC)

XIII. DISPOSAL CONSIDERATIONS

For the product: EC disposal code №:
20 01 29 (detergents containing dangerous substances).
For the packaging: EC disposal code №:
15 01 02 (plastic packaging). Can be recycled.

XIV. TRANSPORT INFORMATION

CARRIAGE BY ROAD (CROSSING BORDERS) ADR/RID:

ADR/RID Class: 8 C6
Hazard Identification Number: 80
UN Number: 3262
Packing group: III
Label: 8
UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)

TRANSPORT BY SEA IMDG:

IMDG Class: 8
UN Number: 3262
Packing group: III
EMS Number: F-A, S-B
Label: 8
Marine pollutant: No
UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)

MATERIAL SAFETY DATA SHEET



Page No. 3 of 3

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8
UN Number: 3262
Packing group: III
Label: 8
Packing instructions: 822 & 823
UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)

XV. REGULATORY INFORMATION

Inventory Status: TSCA (USA), CEPA (Canada, DSL), EINECS (EU), China, TCCL (Korea, KECI), RA 6969 (Philippines, PICCS), NICNAS (Australia, AICS), IEC (Japan).

WHMIS CLASSIFICATION: Class D-2b; Class E  

Danger symbol: C, corrosive



Risk phrases: 34 Causes burns.

37 Irritating to respiratory system.

Safety phrases: 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advise.

36/37/39 Wear suitable protective clothing and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

XVI. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all the information required by the Canadian *Controlled Products Regulations*.

This Material Safety Data Sheet is in conformation with Directive 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph III:

35 Causes severe burns.

36 Irritating to eyes.

Replaces: M.S.D. dated: February 11, 2006

Version: 8

Changes to the MSDS in this revision: sections 1, 2, 3, 8, 15, 16

[Français](#)

[Bahasa Malayu](#)

[Español](#)

[Nederlands](#)

[Bahasa Indonesia](#)

[Deutsch](#)