

MATERIAL SAFETY DATA SHEET
According to 1907/2006/EC, Article 31, Annex II. (REACH)

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: A.F.C. 838

DATE: February 23, 2010

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: Strongly alkaline, pH value of water can harm water-organisms.

III. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Sodium hydroxide	011-002-00-6	215-185-5	1310-73-2	10 - 30	C; R35
Tetrasodium ethylene diamine tetraacetate	607-428-00-2	200-573-9	64-02-8	10 - 30	Xn; R22, 41
Ingredients according to Directive 2004/648/EC					
Nonionic surfactants	<5%				
EDTA	15 - 30%				

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. Absorb remaining product with earth or sand and dispose of with solid waste. 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: Not applicable.

Protective Gloves: Nitril or neoprene.

Eye Protection: Safety glasses.

Additional Protective Equipment: Not applicable.

Ventilation: Use with adequate ventilation for misting operations.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint and method of determination: >93.3°C (C.O.C.)

Flammable limits (% in air): LOWER: Not applicable. UPPER: Not applicable.

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Auto-Ignition temp.: Not applicable.

Physical State: Liquid

Vapour density: Not determined.

Coefficient of n-octanol/water distribution: Not determined.

Odour: None

Boiling Point: 110°C

Specific Gravity: 1.12

Freezing Point: -8°C

Vapour Pressure: Not determined.

pH: 13.2

Evaporation Rate: Not determined.

Colour: Slightly yellow

Solubility in water: Complete

Odour threshold: Not determined.

X. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions. Hazardous polymerization will not occur.

Incompatible substances: Avoid strong oxidizing and reducing agents, do not mix with acidic compounds.

Conditions of reactivity: Avoid contamination with reactive substances.

Hazardous decomposition products: None

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Splashes on skin and in eyes.

Exposure Limits: LD₅₀ (Calculated) 4000 mg/kg

Effect of acute and chronic exposure to product: Causes burns.

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). Strongly alkaline, pH value of water can harm water-organisms.

XIII. DISPOSAL CONSIDERATIONS

For the product: EC disposal code №:

20 01 29 (detergent 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 C5

Hazard Identification Number: 80

UN Number: 3266

Packing group: III

Label: 8

UN proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)

TRANSPORT BY SEA IMDG:

IMDG Class: 8

UN Number: 3266

Packing group: III

EMS Number: F-A, S-B

Label: 8

Marine pollutant: No

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UN proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8
UN Number: 3266
Packing group: III
Label: 8
Packaging instructions: 818 & 820
UN proper shipping name: CORROSIVE LIQUID, 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.

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

46 If swallowed seek medical advise immediately and show this container or label.

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:

22 Harmful if swallowed.

35 Causes severe burns.

41 Risk of serious damage to eyes.

Replaces: M.S.D. dated: February 23, 2007

Version: 9

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

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