

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: FAS-GLO

DATE: May 3, 2010

SUPPLIER: Melrose Chemicals Ltd.
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Lachine, QC
CANADA H8T 3C9
Tel: +1 (514) 631-2998
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PRODUCT USE: Foaming acidic cleaner

II. HAZARDS IDENTIFICATION

Hazard classification of product according to Directive 1999/45/EC: C, corrosive; F, flammable

Hazards for humans: Causes burns.

Hazards for environment: Strong acid, pH value of water can harm water-organisms.

III. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Ortho phosphoric acid 85%	015-011-00-6	231-633-2	7664-38-2	10 - 30	C; R34
Propan-2-ol	603-117-00-0	200-661-7	67-63-0	10 - 30	F, Xi; R11, 36, 67
Dodecylbenzenesulphonic acid		248-289-4	27176-87-0	10 - 30	C; R22, 34
Hydrochloric Acid 32%	017-002-01-X	231-595-7	7647-01-0	3 - 7	C; R34, 37
Alcohol C14-15 ethoxylated		polymer	68951-67-7	1 - 5	Xn, N; R22, 41, 50

Ingredients according to Directive 2004/648/EC

Phosphates	15 - 30%
Anionic surfactants	15 - 30%
Nonionic surfactants	<5%

IV. FIRST AID MEASURES

Contact with skin: Wash off in flowing water or shower. Wash contaminated clothing before re-use.

Contact with eyes: Immediately flush eyes with water for 15 minutes and call a physician.

Inhalation: Not applicable.

Ingestion: Drink one glass of water immediately. **Do not induce vomiting.** Call Regional Poison Control Centre at once or see your local hospital emergency at once.

V. FIRE FIGHTING MEASURES

Conditions of flammability: Not applicable.

Means of extinction: Not applicable.

Hazardous combustion products: Not applicable.

Unusual fire and explosion hazards: Non combustible material; contact with some metals may generate hydrogen gas.

VI. ACCIDENTAL RELEASE MEASURES

Procedures to be followed in case of spills or leaks: Do not allow chemical to enter sewers or waterways. With large spills, dike for later disposal. Evacuate upwind; wear protective clothing, dilute spilled acid to reduce fumes, neutralize. Protect metal structures from acid.

Personal protective equipment to be used: Protective gloves and safety glasses.

VII. HANDLING AND STORAGE

Special handling procedures and equipment: Smoking or open lights should not be permitted near open drums, tank trucks, or storage tanks. Use explosion proof lights and flashlights. When diluting, always add acid to water, never water to acid. Heat is generated upon dilution.

Specific storage requirements: Do not store near excessive heat or open flame. Store in closed containers. Do not freeze.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: Not applicable.

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Protective Gloves: Nitril or neoprene.

Eye Protection: Chemical safety goggles to prevent eye contact.

Additional Protective Equipment: Rubber boots, coat and pants; safety shower and an eye wash facility should be available.

Ventilation: Not applicable.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint and method of determination: 50°C. (C.O.C.)

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

Auto-Ignition temp.: Not determined.

Physical State: Liquid

Vapour density: Not determined.

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

Odour: Pleasant

Boiling Point: 110°C

Specific Gravity: 1.07

Freezing Point: -15°C

Vapour Pressure: Not determined.

pH: 1.2 - 2.5

Evaporation Rate: Not determined.

Colour: Pink opaque

Solubility in water: Complete

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. Will react with solid or liquid alkalis such as sodium hydroxide, potassium hydroxide and ammonium hydroxide.

Conditions of reactivity: Avoid contamination with reactive substances. Do not mix with alkaline materials.

Hazardous decomposition products: Reacts with some metals to produce hydrogen which may form explosive mixtures with air.

XI. TOXICOLOGICAL INFORMATION

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

Exposure Limits: LD₅₀ (Calculated) 3500 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: The surfactants contained in this product comply with the biodegradability criteria as laid down in Directive 2004/648/EC.

XIII. DISPOSAL CONSIDERATIONS

For the product: EC disposal code №:

06 01 04 (phosphoric and phosphorous acid).

Product diluted at the use concentration (up to 1 to 10) is not a hazardous waste.

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	CF1
Hazard Identification Number:	83	
UN Number:	2920	
Packing group:	II	
Label:	8 + 3	

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UN proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Phosphoric acid and isopropanol)

TRANSPORT BY SEA IMDG:

IMDG Class: 8
UN Number: 2920
Packing group: II
EMS Number: F-E, S-C
Label: 8 + 3
Marine pollutant: No
UN proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Phosphoric acid and isopropanol)

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8
UN Number: 2920
Packing group: II
Label: 8 + 3
Packaging: 808 & 812
UN proper shipping name: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Phosphoric acid and isopropanol)

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 B; Class D-2b; Class E

Danger symbol: C, corrosive; F, flammable



Risk phrases: 10 Flammable.

34 Causes burns.

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

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:

11 Highly flammable.

22 Harmful if swallowed.

34 Causes burns.

36 Irritating to eyes.

37 Irritating to respiratory system.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.

67 Vapours may cause drowsiness and dizziness.

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Replaces: M.S.D. dated: May 3, 2007

Version: 9

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

Français

Bahasa Malayu

Español

Nederlands

Bahasa Indonesia

Deutsch