

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: Roselli Chemicals Inc.
7357 Woodbine Avenue, Suite 320, Markham,, Ontario, Canada L3R 6L3
Telephone: (289) 366-1662 Emergency: (289) 366-1662 Website: www.rosellichemicals.com

Product Name: **FX-9 SC**
Chemical Name: Mixture
Product Use: A Multi-Purpose Industrial Cleaner and Degreaser used undiluted or diluted in water for direct, spray, and dip tank procedures

Dangerous Goods Class: Non-hazardous
WHMIS Class: Class D, Div. 2, Sub Div. B

2. COMPOSITION / INFORMATION ON INGREDIENTS

	CAS NO.	% WEIGHT	ACGIH TLV
Diethylene Glycol Monobutyl Ether:	112-34-5	5 - 9.5	N/E
Surfactant Blend:	Mixture	N/A	N/E
Corrosion Inhibitor Blend:	Mixture	N/A	N/E
Water: N/A Balance N/E			

Note: Diethylene Glycol Monobutyl Ether (<9.5%) has undergone processing and dilution during the manufacture of the FX-9. Upon completion of the manufacturing process, FX-9 does not possess the occupational health risks associated with exposure to undiluted Diethylene Glycol Monobutyl Ether.

3. HAZARDS IDENTIFICATION

NFPA/HMIS Rating: Health: 1* Fire/Flammability: 0 Reactivity: 0 Special: None

HAZARD RATING SCALE: 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE

EMERGENCY OVERVIEW: Clear liquid. Clear blue color. Citrus odor. None of the ingredients in the FX-9 are regulated, classified or listed as potential cancer agents by OSHA, ACGIH, IARC and NTP. CAUTION: *May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

Inhalation: Vapors from heated material may cause nausea, dizziness and irritation of respiratory tract

Skin Contact: Prolonged and repeated contact may cause drying and cracking of the skin

Eye Contact: Direct contact and exposure may cause irritation.

Ingestion: Headache, dizziness, nausea, vomiting, gastrointestinal upset and abdominal pain

Effects of Overexposure and Medical Conditions Aggravated by Exposure: None known

4. FIRST AID

Inhalation: Remove from area to fresh air. Obtain medical attention if respiratory irritation develops or if breathing becomes difficult.

Eye Contact: Irrigate for 20 minutes with clean fresh water (remove any contact lenses). Obtain medical attention if irritation or burning sensation persists.

Skin Contact: Rinse with plenty of water and soap. Remove contaminated clothing and shoes.

Ingestion: Do not attempt to give anything by mouth to an unconscious person. If victim is alert, rinse mouth out and give 1 - 3 glasses of water. Seek medical attention. Vomiting should only be induced under the direction of a physician or a poison control center.

NOTE TO PHYSICIAN: No specific antidote. Supportive care treatment is based on the judgments of the physician in response to reactions of the patient.

5. FIRE FIGHTING MEASURES

Flash Point and Method: 100°C / 212°F (Closed Cup - Seta flash). Will not burn.

EXTINGUISHING MEDIA: Water fog or fine spray, CO₂, dry chemical, foam. Alcohol resistant foams are preferred if available.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. Burning liquids may be moved by flushing with water to protect personnel and minimize damage.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear MSHA / NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain liquid to prevent contamination of soil, surface water or ground water. For small spills: clean up with absorbent material. Collect material in suitable and properly labeled open containers. For large spills: dike and pump into suitable and properly labeled containers. Clean up residue with non-combustible absorbent material and wash with water.

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7. HANDLING AND STORAGE

Wear appropriate protective equipment (see Section 8). Exercise good working practices, high personal hygiene and plant cleanliness at all times. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mist. Do not eat, drink or smoke in working area. Store product in room temperature between 10°C and 50°C. Avoid prolonged product exposure to direct sunlight. If product is advertently frozen, it is serviceable after thawing. The product has a shelf life of five years.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation is sufficient for most conditions.

PERSONAL PROTECTIVE EQUIPMENT:

Eye / Face Protection: Wear safety goggles.

Skin Protection: Wear suitable protective clothing and gloves. The use of a moisturizer is recommended after prolonged direct skin contact.

Respiratory Protection: Use a MSHA/NIOSH approved respirator or equivalent, especially when working in a very confined space with poor ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Clear Blue

ODOR: Citrus

MELTING POINT: N/D

BOILING POINT: 100°C / 212°F

SPECIFIC GRAVITY (Water = 1): 1.15

SOLUBILITY IN WATER: Infinite

VOC: N/D

pH: 12.7

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY: Strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur.

11. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, Provincial, State and Local regulations on chemical waste disposal.

12. TRANSPORT INFORMATION

Department of Transportation (D.O.T): Non-Regulated

Canadian TDG: Non-Regulated

13. REGULATORY INFORMATION

CEPA - NSNR: Diethylene Glycol Monobutyl Ether is included on the DSL under CEPA

CEPA - NPRI: is not included

CERCLA reportable quantity: Not applicable

SARA Title III, Section 302: No extremely hazardous chemicals

SARA Title III, Sections 311/312: None

SARA Title III Section 313 Chemical Category: Diethylene Glycol Monobutyl Ether is part of a chemical category Glycol Ethers and thus a reporting requirement exists.

TSCA: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200): Classification of Diethylene Glycol Monobutyl Ether is skin and eye irritant.

California Proposition 65: Not listed

WHMIS: Classification D2B (Skin and Eye irritant).

UN Number: Not required

14. NOTICE

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the buyer's responsibility to ensure that his activities comply with Federal, State/Provincial and Local laws and regulations. Regulatory requirements are subject to change and may differ from location to another. Roselli Chemicals Inc. cannot assume any liability for the use of the information contained herein.

ABBREVIATIONS: N/A - Not Available N/D - Not Determined N/E - Not Established TM - Trade Mark of Roselli Chemicals Inc.

Effective Date: 1 March 2010. Prepared by: R. Roselli