

FX-9[®] TURBO

SAFETY DATA SHEET according to UN GHS (the fifth revised edition)

FX-9Turbo AF10

1. Product and Company Identification

Product Name	FX-9Turbo AF10 Anti Icing Additive
Manufacturer	Roselli Chemicals Inc. c/o GCD Innovation (Huizhou) Company Ltd.
Address	Building G, Solar Industrial Park, Baihua, Huidong County, Huizhou City, Guangdong Province, P.R.China. Postcode: 516300 Tel: +86 755 8608 2258 Fax: +86 755 8608 0258 Email: info@cestoil.com www.cestoil.com
Main Application	Antifreeze
For North America	Roselli Chemicals Inc. 1568 Merivale Road, Suite 712, Ottawa, Ontario, Canada K2G 5Y7 Tel:+1 289 366 1662 www.rosellichemicals.com
Emergency Contact	US/Canada: +1 800 424 9300, US/Canada (Chemtrec): +1 703 527 3887, China: +86 532 8388 9090, Singapore: 0065 6270 6869

2. Hazards Identification

GHS Classification	Not classified
Human Health Hazards	Not classified
Label Elements	
Hazard Symbol	None
Signal Word	None
Hazard Statement	The substance does not meet the criteria for classification.

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Precautionary statements

Prevention	Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves.
Response	Observe good industrial hygiene practices. Wash hands after handling. Do not breathe vapor or mist. Do not eat, drink or smoke when using this product.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

3. Composition/Information on Ingredients

Chemical Name	CAS#	EC#	Conc. (% w/w)
Mono Propylene Glycol	57-55-6	200-338-0	30-70
Demineralised water	7732-18-5	231-791-2	30-70

4. First-aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	If breathed in move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes and consult a physician.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire-fighting Measures

Extinguishing media	Water spray, Alcohol resistant foam. Carbon dioxide (CO ₂). Dry powder. Cool fire exposed containers with water spray.
Special hazards arising from the substance or mixture	No data available.
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting if necessary.

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6. Accidental Release Measures

Personal precautions	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Environmental precautions	Do not let product enter drains.
Leakage Treatment	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
Reference to other sections	See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information. See section 13. DISPOSAL CONSIDERATIONS for further information.

7. Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Conditions for safe storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

Control Parameters	Mono Propylene Glycol (57-55-6) TWA: 150 ppm, 474 mg/m ³
Engineering protection	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Eye	Safety glasses with side-shields conforming to NIOSH (US) Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Body	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respirator	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Skin	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Control of environmental exposure	Do not let product enter drains.

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9. Physical and chemical properties

Appearance	Liquid
Colour:	Colourless
Odour:	Mild / Characteristic
Odour threshold:	Not determined.
pH-value @ 20 °C (Ready to use RTU):	Not determined.
Melting point:	Not determined.
Boiling point:	105 °C
Flash point:	>95 °C
Flammability (solid, gaseous):	Not applicable.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	Not determined.
Vapour pressure:	Not determined.
Density at 20 °C:	1.040 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
oxidizing properties	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20 °C:	Not determined.
Kinematic:	Not determined.

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10. Stability and reactivity

Stability and Reactivity	No known hazardous reactions under normal conditions of use. The product is stable under normal conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No additional information.
Incompatible materials	Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents.
Hazardous decomposition products	No data available. In the event of fire: see section 5

11. Toxicological information

Acute toxicity	Human - Mild skin irritation - 7 d
Skin Corrosion/Irritation	Rabbit - Mild eye irritation
Serious Eye Damage/Eye Irritation	No data available.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	No data available.

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12. Ecological information

Toxicology	
Toxicity to fish	mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	mortality NOEC - Daphnia - 13,020 mg/l - 48 h EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No chemical safety report is required
Other adverse effects	No data available.

13. Disposal considerations

General information	Do not allow product to enter drains. Offer surplus and non-recyclable solutions to a licensed disposal company.
Uncleaned packaging	Disposal must be made according to official regulations. Dispose of as unused product.

14. Transport information

AND (ADR)	The product is not classified as dangerous for carriage
SEA (IMDG)	The product is not classified as dangerous for carriage
AIR (IATA)	The product is not classified as dangerous for carriage according to regulations of IATA or ICAO.

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15. Regulatory information

WHMIS Classification	Not classified.
U.S. Federal Regulations	CERCLA Hazardous substance and Reportable Quantity: SARA 313: Not Listed SARA 302: Not Listed State Right-to-Know: Massachusetts Not Listed New Jersey Not Listed Pennsylvania Not Listed California Proposition 65: Not Listed
Inventory	All components are listed on or in compliance with TSCA, DSL, NZIoC, AICS, PICCS, ENCS, IECSC, KECI.

16. Other information

NOTE: The information contained in this sheet is provided free of charge and is based on technical data that we believe to be reliable. This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition). It is intended for use by persons having technical skills and at their own discretion and risk. We make no warranties, express or implied, and assume no liability in connection with any of this information as the conditions of use are outside our control. In addition, none of the contents of this publication should be taken as a licence to operate under, or a recommendation to infringe any patent.

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