

FX-9[®] TURBO

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

FX-9Turbo Concentrate 1:4

1. Product and Company Identification

Product Name	FX-9Turbo Concentrate 1:4
Manufacturer	Roselli Chemicals Inc. c/o GCD Innovation (Huizhou) Company Ltd.
Address	Building G, Solar Industrial Park, Baihua, Huidong County, Huizho City, Guangdong Province, P.R.China, 516300 Tel: +86 755 8608 2258 Fax: +86 755 8608 0258 Email: info@cestoil.com www.cestoil.com
Main Application	Gas Turbine Compressor Cleaner
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

Human Health Hazards Serious Eye Damage/Eye Irritation Category 1

Label Elements

Hazard Symbol



Signal Word Danger

Hazard Statement H318 Causes serious eye damage

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Precautionary statements

Prevention	P101 If medical advice is needed, have product container or label at hand. P264 Wash thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	P233 Keep container tightly closed. P234 Keep only in original container.
Disposal	P501 Dispose of contents/container in accordance with local/regional/national/international regulations

3. Composition/Information on Ingredients

Chemical Name	CAS#	EC#	Conc. (% w/w)
Dipropylene Glycol Methyl Ether	34590-94-8	252-104-2	5-15
Salt of an amino acid derivative	68515-73-1	500-220-1	5-15
Aliphatic amine derivative	102-71-6	203-049-8	5-15
Demineralised water	7732-18-5	231-791-2	55-85

4. First-aid Measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Irritating to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

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5. Fire-fighting Measures

Extinguishing media	Use extinguishing media appropriate to the surrounding fire conditions.
Special hazards arising from the substance or mixture	Burning produces irritating, toxic and obnoxious fumes.
Advice for firefighters	Wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Leakage Treatment	Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Conditions for safe storage	Keep containers tightly closed. Keep in a cool, dry, well-ventilated area. Store in correctly labelled containers.
Specific end use	Industrial uses: Uses of substances as such or in preparations at industrial sites; Professional uses: Public domain; Washing and cleaning products (including solvent based products); Treatment of articles by dipping and pouring; Non industrial spraying; Hand-mixing with intimate contact and only PPE available; Wide dispersive indoor use of processing aids in open systems; Wide dispersive outdoor use of processing aids in open systems

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8. Exposure Controls/Personal Protection

Control Parameters	Dipropylene Glycol Methyl Ether (34590-94-8) TWA: 50 ppm, 308 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 EN166 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:	Straw
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value @ 20 °C (Ready to use RTU):	7.0-8.0
Melting point:	Not determined.
Boiling point:	100 °C
Flash point:	>100 °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:	1.0 +/- 0.05 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:	20 +/- 5 Centistokes
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	Involvement in fire will produce irritating fumes.
Conditions to avoid	No additional information.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Oxides of carbon. In the event of fire: see section 5

11. Toxicological information

Acute toxicity	Not determined.
Skin Corrosion/Irritation	May cause irritation to skin.
Serious Eye Damage/Eye Irritation	May cause irritation to eyes.

12. Ecological information

Toxicology	Mixture is not classified as toxic.
Persistence and degradability	Fully biodegradable
Bioaccumulative potential	No evidence for.
Mobility in soil	Mixture is not persistent in the environment. Refer to section 12.
Results of PBT and vPvB assessment	No chemical safety report is required
Other adverse effects	None.

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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.

15. Regulatory information

WHMIS Classification	E: Corrosive material.
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, KECL.

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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