

SAFETY DATA SHEET

Revised – 10/15/2014

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Commercial Name: MAXR – 100A
Refrigeration anti-fouling compound

Manufactured for: Trans Bio Energy Company LLC
Address: 201 N. Cleveland Massillon Road,
Akron
Ohio 44333
USA

Telephone: +1 330 665 3839
Emergency: +1 757 436 9266

2. COMPOSITION / INFORMATION ON INGREDIENTS

U.S. OSHA hazards communication standard:

Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined NOT to be HAZARDOUS. The materials in this product are not known to be carcinogenic or contain no greater than 0.1% carcinogenic compounds which would require reporting under OSHA hazard communication standards 29 CFR 1910.1200.

TSCA Inventory status: All components registered.
ACGIH: Not listed.
Synthetic base oil: CAS# 68037-01-4 5mg/M3
Synthetic base oil: CAS# 68082-78-0 5mg/M3
Additive package: EP. VI & anti wear proprietary blend – considered to
Trade Secret according to applicable Federal
Regulations.

3. HAZARDS IDENTIFICATION

Health: Can cause some transient irritation and burning sensation to eyes and skin.
Environment: Regulations forbid the disposal of lubricants into the environment without special permit.
Physiochemical hazards: No particular risk of ignition or explosion.
Specific risks: None.

4. FIRST AID MEASURES

Inhalation: Not concerned.
Skin contact: Wash with detergent and water.

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Eye splashes: Flush with generous amounts of temperate water for a minimum of 15 minutes. Seek medical help if the problem remains.
Ingestion: Drink water. Do not induce vomiting. Seek medical help.

5. FIRE-FIGHTING MEASURES

Recommended to use: CO₂, dry powder, foam.
Not recommended to use: Water in a jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: None necessary in ventilated environments.
Environment protection: Avoid pollution of sewers and water.
Cleaning means: For easy removal, use inert absorbent or sand.

7. HANDLING AND STORAGE

Handling

General: Avoid exposure to temperatures <+5 and >+40°C
Personal protection: Avoid prolonged contact with skin. Remove soaked clothes.

Storage

Recommended conditions: Storage temperature +10 to +40°C. Store in closed container, preferably as delivered and separated from strong acids. Storage stability is at least one year.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures: Exposure should be minimised with technical measures rather than personal protective clothing
Personal protective equipment:
Respiratory protection: None normally needed.
Hand protection: Impermeable gloves recommended (e.g. PVC or rubber)
Eye protection: Safety goggles recommended.
Others: Site protective clothing recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Transparent low viscosity fluid
Specific gravity: .9930
pH: 7 – 7.5
Vapour pressure: mm Hg 1

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Pour point – ASTM D97	-33°C
Vapour density:	1
Floc point ASHRAE 86:	-60°C
Solubility in water:	Insoluble
Copper corrosion – ASTM D130	1A
Appearance and odour:	Wheat; mild oily odour
Fire Point ASTM D 92	157°C/316 F

10. STABILITY AND REACTIVITY

Stability:	Stable product under normal conditions.
Incompatibility:	Strong oxidising and reducing agents
Hazardous reactions or by-products:	When burning, may form carbon monoxide.

11. TOXICOLOGICAL INFORMATION

No tests have been performed on the product.

12. ECOLOGICAL INFORMATION

No tests have been performed on the product.

13. DISPOSAL CONSIDERATIONS

Used product:	As per existing national regulations.
Used packaging:	As per existing national regulations.

14. TRANSPORT INFORMATION

The product is not classified as dangerous goods.

16. OTHER INFORMATION

MaxR -100 is a fouling inhibitor and increases refrigerant side heat transfer efficiency in air-conditioning and refrigeration systems.

Symbols:	Xi	-	Irritating.
Risk phrases:	R 38	-	Irritating to skin.
	R 41	-	Risk of serious damage to eyes.
	R 52/53	-	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases:	S 24.25	-	Avoid contact with skin and eyes.

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- S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 37/39 - Wear suitable gloves and eye/face protection