

MATERIAL SAFETY DATA SHEET

MSDS No: 17004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (S) **COOLANT SYSTEM TREATMENT**
PRODUCT No: **17004**
MANUFACTURER **LIFE AUTOMOTIVE PRODUCTS, INC.**
1210 MIDAS COVE STE 101
CORDOVA, TN 38018
EMERGENCY CONTACT: CHEMTREC
EMERGENCY PHONE NUMBER: 800-424-9300
PREPARATION DATE January 11, 2005
Prepared By Mike Profetto
Brief Description Organic rust inhibitor for automotive coolant systems.

2. HAZARDOUS INGREDIENTS & EXPOSURE LIMITS

CHEMICAL NAME	CAS#	%	LIMIT VALUES
BORAMIDES	67952-33-4	5.00	N/A

HAZARDOUS IDENTIFICATION

HMIS RATINGS: Health: 1, Flammability: 0 Reactivity: 0 Pers. Prot. Index B
NFPA RATINGS: Health: 1, Fire: 0 Reactivity: 0 Specific Hazard: None

3. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point 212 F. (100 C.)
Vapor Pressure (mm Hg.) N/A
Vapor Density (AIR= 1) >1.0
Solubility in Water Soluble
% Volatile/Volume N/A
Appearance and Odor Water white liquid
pH 8.5 to 10.5
Specific Gravity (H2O =1) 1.08
Miscellaneous Information
None

4. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Flammable Limits: N/A
Lower Explosive Limit (LEL): N/A
Upper Explosive Limit (UEL): N/A
Extinguishing Media

Carbon dioxide, dry chemical, foam and water fog.

Special Fire Fighting Procedures

Use SCBA apparatus operated in pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Combustion can produce toxic oxide of nitrogen.

5. REACTIVITY DATA

Stable Yes

Hazardous Polymerization May Occur No

Conditions to Avoid

Copper and strongly alkaline materials and products.

Incompatibility (Material to Avoid)

N/A

Hazardous Decomposition or Byproducts

Oxides of nitrogen .

6. HEALTH HAZARD DATA

Effects on Eyes

Eye Irritant

Effects on Skin

Irritant

Effects Due to Ingestion

Treat patient for borate ingestion, pH of product is alkaline 8.5 to 10.5.

Effects Due to Inhalation

Respiratory irritation and coughing

First Aid Procedures for Eyes

If the product contacts the eyes, immediately wash the eyes with large quantities of room temperature water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately. A follow up visit to an ophthalmologist should be made. Contact lenses should not be worn when working with chemical.

First Aid Procedures for Skin

If the product contacts the skin, promptly wash the contaminated skin with soap and water for at least 15 minutes. Get medical attention as required.

First Aid Procedures for Ingestion

If this product is ingested and the person is conscious, induce vomiting. **DO NOT INDUCE AND UNCONSCIOUS PERSON TO VOMIT.** Get medical attention immediately.

First Aid Procedures for Inhalation

Move the exposed person to fresh air at once and call emergency medical care. If the breathing has stopped, give artificial respiration. If breathing is difficult, give humidified oxygen.

7. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled

SMALL SPILL: Remove sources of heat or ignition, provide adequate ventilation, contain leak using absorbent, inert, non-combustible material.

LARGE SPILLS: Contain spill, transfer to secure containers. In the event of

an uncontrolled material release, the user should determine if release is reportable under applicable laws and regulations.

Waste Disposal Method

Dispose of product in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of MSDS for hazard warning information.

Precautions to Be Taken in Handling and Storing

See other sections of MSDS.

Other Precautions

None

8. CONTROL MEASURES

Local Exhaust

Provide local ventilation to maintain exposure levels below any recommended Limits.

Mechanical (General)

In confined spaces, mechanical ventilation may be required.

Special Ventilation

N/A

Other Ventilation

N/A

Protective Gloves

Use natural rubber or neoprene gloves as required.

Eye Protection

Use splash proof chemical, safety goggles or appropriate full face shield.

Other Protective Clothing or Equipment

If there is a possibility of exposure of an individual's body to the product, wear body covering clothes to avoid prolonged or repeated exposure.

Work/Hygienic Practices

Use normal hygiene practices.

Respiratory Protection (Specify Type)

Normally not required.

9. ADDITIONAL INFORMATION

Additional Information

SHIPPING INFORMATION	(CFR 49 AND IMDG):
PROPER SHIPPING NAME	Cleaning Compound, N.O.I.
DOT HAZARD CLASS	None Required
DOT UN NUMBER	None Required
IMDG SHIPPING NAME	Non Hazardous Consumer Product

SARA TITLE III:
Section 302: None
Section 304: None
Section 311: None
Section 313: None

CERCLA:

Section 311 (b) (4): Requires discharges of crude oil and petroleum products in any kind of form to waters must be reported to the National Response Center at (800) 424-8802

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