

# MATERIAL SAFETY DATA SHEET

Product Name: TRAMOS<sup>®</sup> Aircraft Hydraulic Fluid Remover (AHFR)

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TRAMOS<sup>®</sup> Aircraft Hydraulic Fluid Remover (AHFR)

**OTHER/GENERIC NAMES:** AHFR

**PRODUCT USE:** Cleaner

**MANUFACTURER:** TRAMOS<sup>®</sup> INTERNATIONAL N.V.  
Boomsesteenweg 26  
Aartselaar (Antwerp)  
Belgium

**DISTRIBUTOR:** RPM Technology, LLC  
P.O. Box 1470  
Reno, Nevada 89533

INFORMATION CALL: 866-403-4842  
(Monday-Friday, 9:00am - 4:30pm Pacific)

IN CASE OF EMERGENCY CALL:  
(24 Hours/Day, 7 Days/Week)

800-424-9300  
(CHEMTREC)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
2- ETHYLHEXYLLAURATE	20292-08-4	< 30
2- ETHYLHEXYLLAURATE DI	7425-14-1	< 10
EXTHOXYLATED 2-ETHYLHEXANOL	26468-86-0	< 10

Trace impurities and additional material names not listed above may appear in Section 15 of this MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

**OSHA Hazard Communication Standard:** This product is considered hazardous under the OSHA Hazard Communication Standard.

## 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause skin and eye irritation. May be harmful if swallowed or inhaled.

### POTENTIAL HEALTH HAZARDS

**SKIN:** May cause slight to moderate irritation.

**EYES:** May cause slight to moderate irritation.

**INHALATION:** None indicated.

**INGESTION:** May cause slight to moderate irritation of the gastrointestinal tract. May cause central nervous system effects.

**DELAYED EFFECTS:** None indicated.

Ingredients found on one of the three OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
No ingredients listed in this section.			

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## 4. FIRST AID MEASURES

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.

**EYES:** Immediately flush eyes with water and continue washing for several minutes. Get medical attention if irritation persists.

**INGESTION:** Do not induce vomiting. Immediately give plenty of water. Get medical attention immediately. Do not give anything by mouth to an unconscious or convulsing person.

**ADVICE TO PHYSICIAN:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA:

Foam, dry chemical, carbon dioxide, water spray

## 6. ACCIDENTAL RELEASE MEASURES

**IN CASE OF SPILL OR OTHER RELEASE:** (See section 8 for recommended personal protective equipment.)

Wear appropriate personal equipment as specified in section 8. Isolate hazard area. Absorb spill with inert material (e.g. vermiculite, sand, earth or non-combustible absorbent material) and place in chemical waste container. Rinse spill area with water. Follow applicable Federal/State/Provincial and Local laws and regulations.

## 7. HANDLING AND STORAGE

**NORMAL HANDLING:** (See section 8 for recommended personal protective equipment.)

Keep away from heat, sparks and flames. Keep container tightly closed when not in use. Avoid contact with skin, eyes and on clothing. Avoid breathing vapor or mist. Remove contaminated clothing and wash thoroughly after handling.

### STORAGE RECOMMENDATIONS:

Keep storage container tightly closed. Store in cool, dry, well-ventilated area or cabinet. Isolate from incompatible substances.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

**SKIN PROTECTION:** Wear rubber gloves and protective clothing including boots, apron, or protective suit as appropriate to prevent skin exposure.

**EYE PROTECTION:** Wear appropriate safety glasses or chemical splash goggles and faceshield where contact due to splashing or spraying is possible.

**ADDITIONAL RECOMMENDATIONS:** To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

### EXPOSURE GUIDELINES

None

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## OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Transparent
PHYSICAL STATE:	Liquid
MOLECULAR WEIGHT:	Mixture
CHEMICAL FORMULA:	Mixture
ODOR:	Characteristic
SOLUBILITY IN WATER (weight%):	100%
pH:	>6 and <8
FLASH POINT:	>212°F (100°C)

## 10. STABILITY AND REACTIVITY

### NORMALLY STABLE? (CONDITIONS TO AVOID):

Stable under normal conditions of use and storage.

### INCOMPATIBILITIES:

None known.

### HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

Prolonged and repeated skin exposure of mice to certain middle distillate streams has resulted in dermatitis, which has been associated with the promotion of skin tumors via a non-genotoxic mechanism. This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

## 12. ECOLOGICAL INFORMATION

Toxic for water organism as from 1500 mg/L LC 50 96 h. (trout)

## 13. DISPOSAL CONSIDERATIONS

### RCRA

Is the unused product a RCRA hazardous waste if discarded? No

If yes, the RCRA ID number is: Not applicable

### OTHER DISPOSAL CONSIDERATIONS:

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

Do not drain the product into surface water

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## 14. TRANSPORTATION INFORMATION

**US DOT HAZARD CLASS:** Not classified

**US DOT ID NUMBER:** N/A

**PROPER SHIPPING NAME:** N/A

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

## 15. REGULATORY INFORMATION

### TOXIC SUBSTANCES CONTROL ACT (TSCA)

**TSCA INVENTORY STATUS:** All components are listed on TSCA.

**OTHER TSCA ISSUES:** None

### SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

<u>INGREDIENT NAME</u>	<u>SARA/CERCLA RQ (lb)</u>	<u>SARA EHS TPQ (lb)</u>
No ingredients listed in this section		

**Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.**

**SECTION 311 HAZARD CLASS:** None.

### **SARA 313 TOXIC CHEMICALS:**

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirements. CAS numbers and weight percents are found in Section 2.

<u>INGREDIENT NAME</u>	<u>COMMENT</u>
No ingredients listed in this section	

### STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<u>INGREDIENT NAME</u>	<u>WEIGHT %</u>	<u>COMMENT</u>
No ingredients listed in this section		

## 16. OTHER INFORMATION

CURRENT ISSUE DATE: 03 January 2005

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PREVIOUS ISSUE DATE: New

OTHER INFORMATION:       HMIS: 1-0-0  
                                  NFPA: 1-0-0

* Danger symbols		: None
* Risk wording (R)		: None
* Safety wording (S)	2	: Store out of reach for children
	26	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.