



# Material Safety Data Sheet

TACNA RX GREASE, NO.2

*Luibe*  
*# 415*

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# 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
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TACNA RX GREASE, NO. 2

MSDS Code: GREP0298

Revised: 18 July 2002

"TACNA" is a registered trademark of Conoco.

MANUFACTURER/DISTRIBUTOR

Conoco Inc.  
P.O. Box 2197  
Houston, TX 77252

PHONE NUMBERS

Product Information: 1-281-293-5550  
Transport Emergency: CHEMTREC 1-800-424-9300 (U.S. & Canada)  
1-703-527-3887 (elsewhere; call collect)  
Medical Emergency: 1-800-342-5119 or 281-293-5119

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# 2. COMPOSITION/INFORMATION ON INGREDIENTS  
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Components	%
Base Oils	<85
Proprietary additives	>15

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# 3. HAZARDS IDENTIFICATION  
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--- EMERGENCY OVERVIEW ---

APPEARANCE / ODOR

Red semi-solid / mild petroleum odor.

OSHA REGULATORY STATUS

This material is not known to be hazardous as defined under OSHA regulations.

HMIS RATING Health: 1; Flammability: 1; Physical Hazard: 0.  
NFPA RATING Health: 1; Flammability: 1; Instability: 0.

Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH

as a carcinogen.

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#### 4. FIRST AID MEASURES

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##### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

##### Skin Contact

Wipe off excess with towel. Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician.

If injected under the skin, necrosis could occur. See physician.

##### Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

##### Ingestion

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

##### Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

High velocity injection under the skin can cause a bloodless puncture wound and result in necrosis. Immediate attention by a surgical specialist is recommended.

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#### 5. FIRE FIGHTING MEASURES

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##### Flammable Properties

Flash Point : 450 F (232 C) (Base Oil)  
Method : Cleveland Open Cup - COC.

##### Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Water spray may spread fire.

##### Fire Fighting Instructions

Cool tank/container with water spray.

Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

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#### 6. ACCIDENTAL RELEASE MEASURES

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##### Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

### Spill Clean Up

Recover undamaged and minimally contaminated material for reuse and reclamation. Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.

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## 7. HANDLING AND STORAGE

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### Handling (Personnel)

Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

### Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

### Storage

Store in accordance with National Fire Protection Association recommendations. Store away from oxidizers. Store in a clean, dry place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Controls

Keep container tightly closed.

#### VENTILATION

Normal shop ventilation.

### Personal Protective Equipment

#### RESPIRATORY PROTECTION

None normally required except under unusual circumstances such as described under fire fighting measures.

#### PROTECTIVE GLOVES

Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended.

#### EYE PROTECTION

Safety glasses with side shields.

#### OTHER PRECAUTIONS

Avoid prolonged skin contact by practicing good personal hygiene and laundering contaminated clothing.

### Exposure Limits

PEL (OSHA)	:	None Established
TLV (ACGIH)	:	None Established

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## # 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Physical Data

Appearance	:	Red semi-solid grease
Odor	:	Mild petroleum
Boiling Point	:	Not Applicable
Dropping Point (typical)	:	530 F (277 C)
Flash Point (base oil)	:	450 F (232 C) (COC)
Solubility	:	Insoluble

Specific Gravity : 0.930  
Density : 7.5 lb/gal

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# 10. STABILITY AND REACTIVITY

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Chemical Stability  
Stable.

Conditions to Avoid  
Avoid extreme temperatures.

Incompatibility with Other Materials  
Incompatible or can react with strong oxidizers.

Decomposition  
Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Polymerization  
Polymerization will not occur.

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# 11. TOXICOLOGICAL INFORMATION

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Animal Data  
Mouse skin painting studies have shown that highly refined petroleum lube base oils similar to ingredients in this product have not caused skin tumors.

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12. ECOLOGICAL INFORMATION

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Ecotoxicological Information  
No specific aquatic data available for this product.

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13. DISPOSAL CONSIDERATIONS

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Waste Disposal  
Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

Container Disposal  
Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

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14. TRANSPORTATION INFORMATION

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Shipping Information  
DOT: Not regulated.  
ICAO/IMDG: Not restricted.  
CANADA: Not regulated.

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# 15. REGULATORY INFORMATION

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U.S. Federal Regulations  
OSHA HAZARD DETERMINATION (20 CFR 1910.1200)  
This material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

## CERCLA/SUPERFUND (29 CFR 302)

Not applicable; this material is covered by the CERCLA petroleum exclusion.

## SARA, TITLE III, 302/304 (29 CFR 355)

This material is not known to contain extremely hazardous substances.

## SARA, TITLE III, 311/312 (29 CFR 370)

Acute : No  
Chronic : No  
Fire : No  
Reactivity : No  
Pressure : No

## SARA, TITLE III, 313 (29 CFR 372)

Toxic Chemical: No.

## TSCA (29 CFR 710)

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

## RCRA (29 CFR 261)

This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

## CLEAN WATER ACT (29 CFR 116.4a)

The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center (1-800-424-8802).

Ingredient : Petroleum Hydrocarbons.  
Reportable Quantity : Film or sheen upon or discoloration of any water surface.

## State Regulations (U.S.)

## PENNSYLVANIA WORKER &amp; COMMUNITY RIGHT TO KNOW ACT

Ingredients subject to the Act: No.

## Canadian Regulations

This is not a WHMIS Controlled Product.

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16. OTHER INFORMATION  
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Additional Information: None.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : DNA - SHE  
Address : Conoco Inc.  
> : PO Box 2197  
> : Houston, TX 77252  
Telephone : 1-281-293-5550  
Web Site : www.conoco.com

# Indicates updated section.

End of MSDS