



SERVICE BULLETIN

| | | |
|------------------------------|--------------------------|----------------------------|
| Classification: HA04-001a | Reference: NTB04-117a | Date: November 24, 2004 |
|------------------------------|--------------------------|----------------------------|

2004 TITAN / ARMADA; HUMMING NOISE FROM HVAC SYSTEM

This bulletin has been amended to clarify the Service Procedure. Please discard paper copies of all earlier versions.

APPLIED VEHICLES: 2004 Titan (A60)
2004 Armada (TA60)

APPLIED DATE: Vehicles built before December 12, 2003

IF YOU CONFIRM:

A humming noise is coming from the HVAC system during the following 4 conditions:

- The vehicle is in "front defrost" mode, and
- the A/C is off, and
- the temperature is at "max warm", and
- the fan speed is at #3 or #4.

ACTIONS:

Replace the Heater Side Link (Cam) assembly.

PARTS INFORMATION

| DESCRIPTION | PART # | QUANTITY |
|---|-------------|----------|
| LINK ASSY – SIDE, FR HTR (Kit includes cam, grease, washer and push nut) | 27155-7S000 | 1 |

CLAIMS INFORMATION

Submit a Primary Failed Part (PP) line claim using the following claims coding:

| DESCRIPTION | PFP | OP CODE | SYM | DIA | FRT |
|------------------------|-------------|---------|-----|-----|---------|
| Install Side Link Assy | 27155-7S000 | TX10AA | ZL | 32 | 1.2 hrs |

IMPORTANT: The purpose of ACTIONS (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing this repair.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

1. Write down the radio presets so you can reprogram when you're finishing the job.
2. Set the Air Flow Control to 'Front and Rear Floor Outlet' mode. See Figure 1 for Automatic A/C, or Figure 2 for Manual A/C.
3. Remove the 4 driver's seat mounting bolts.
NOTE: You will need to slide the driver's seat to the middle position to do this.
4. Disconnect the negative battery terminal.
NOTE: After you have disconnected the battery terminal, you must wait at least 3 minutes before moving on to step 5.
5. Tilt the entire seat assembly backward, off the floor, until it rests against the rear seat.
6. Remove the driver's side lower instrument panel (see Figure 3).
 - For instructions, see the [IP/INSTRUMENT PANEL ASSEMBLY/Lower Driver Instrument Panel](#) section in the Service Manual.
7. Pop off the instrument lower cover (see Figure 3).
8. Disconnect the 3 wire harnesses from the Body Control Module (BCM).
9. Remove the BCM.
 - Use a 10mm socket to remove the 3 bolts.

NOTE: 1 bolt is located on the left side of the BCM (see Figure 4). The other 2 bolts are on the lower right side of the BCM.

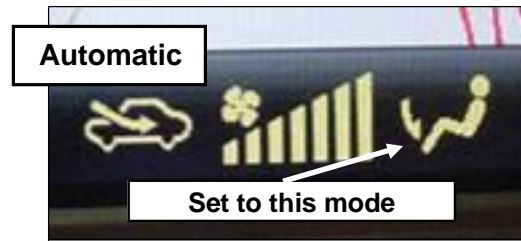


Figure 1

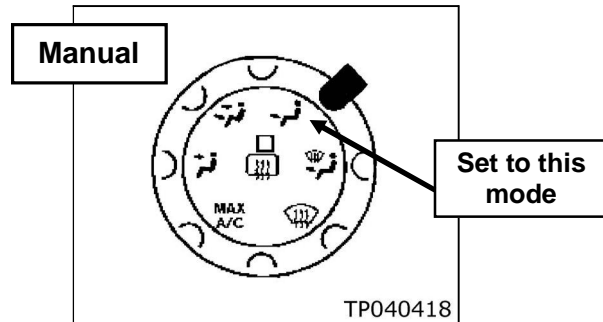


Figure 2

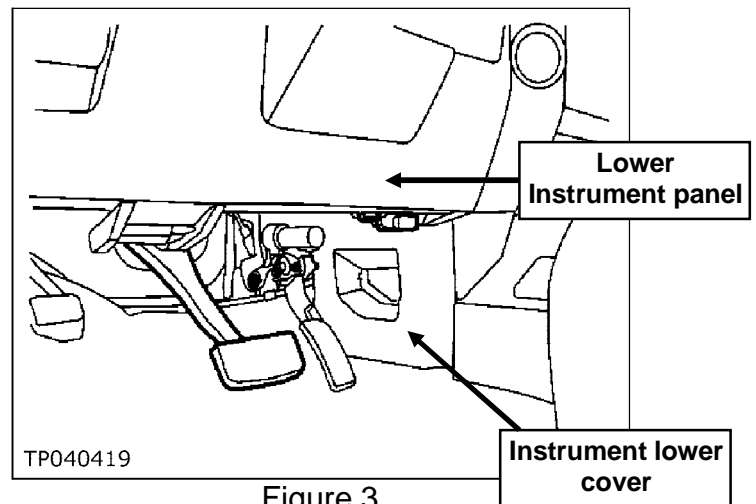


Figure 3

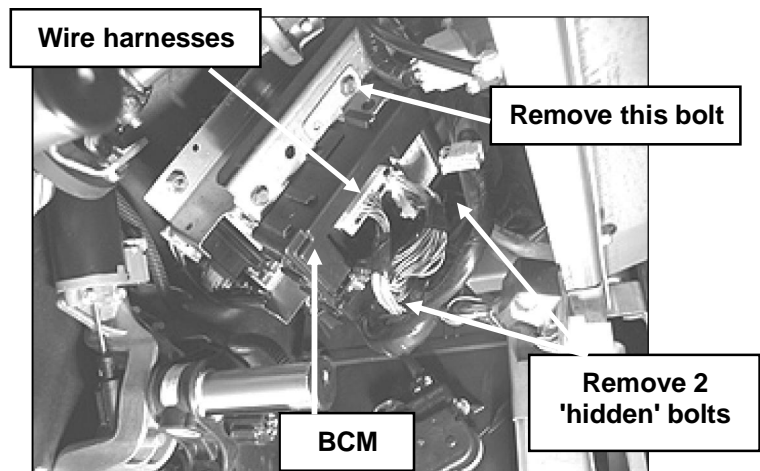


Figure 4

10. Using a 12 mm deep socket, remove the 3 nuts that hold the gas pedal assembly in place (see Figure 5). Move the assembly to the side.

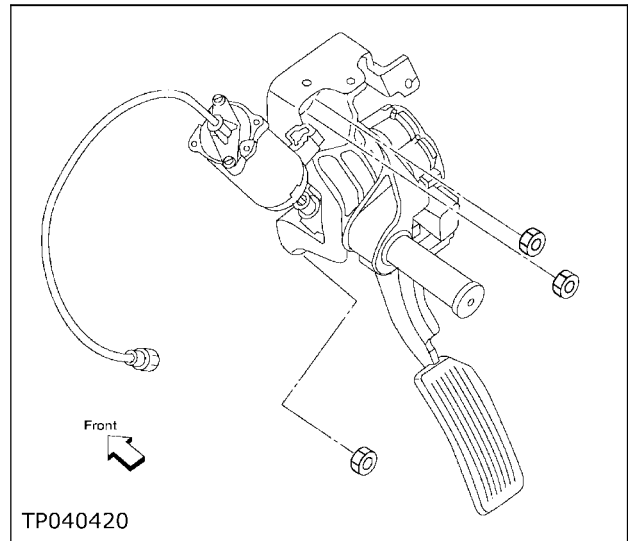


Figure 5

11. Remove the audio amplifier (if equipped).
- Remove the 3 bolts shown in Figure 6.
 - Slide the amplifier down.
 - Disconnect the amplifier wire harnesses.

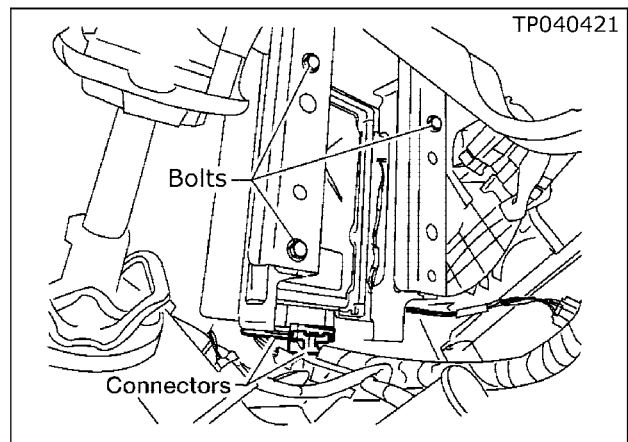


Figure 6

Heater case shown removed for clarity.
DO NOT remove.

Now on to the heater case:

12. Disconnect the wire harness from the "actuator" (defroster door motor). See Figure 7.

13. Remove the actuator.

- a. Using a 9/32 socket, remove 2 bolts at the bottom of the actuator (see Figure 7).
- b. Using a 7/32 socket, remove the bolt at the top of the actuator (see Figure 7).

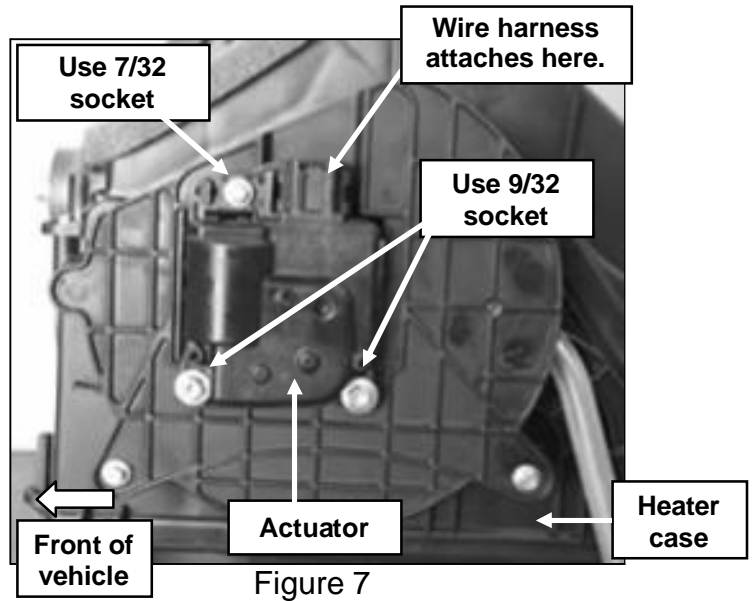


Figure 7

14. Using a 7/32 socket, remove the 2 link assembly cover bolts shown in Figure 8, and then remove the cover.

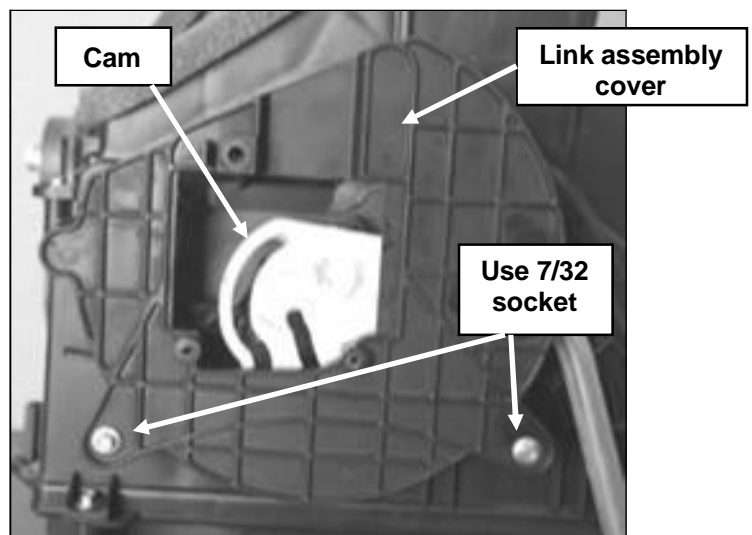


Figure 8

15. Remove the cam. Pull it straight out.

16. Confirm the 2 door pins are positioned as shown in Figure 9.

NOTE: The door pins **must** be in this position when installing the new cam.

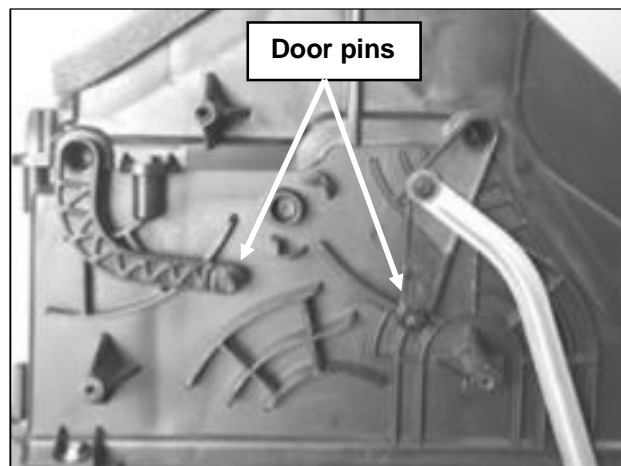


Figure 9

17. Grease the slots of the new cam (see Figure 10).

- **Only** use the grease package included with the kit.
- Grease the entire length of the slot walls, where the door pins will slide.

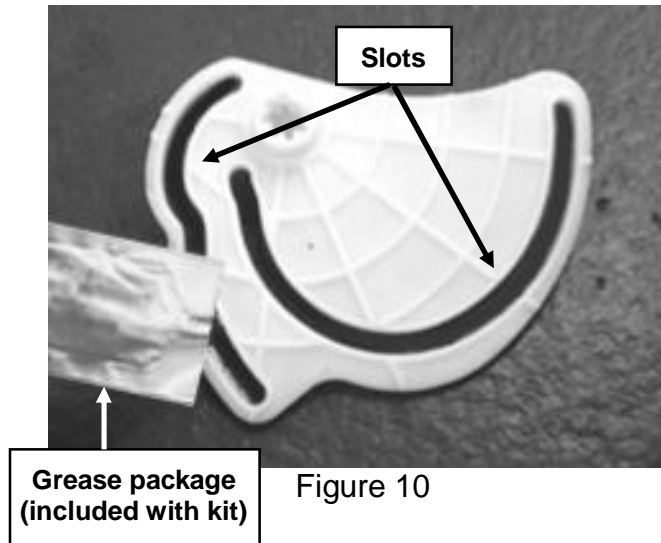


Figure 10

18. Install the new cam (see Figure 11).

NOTE: If the cam will not install, don't force it. Go back to step 16 and make sure the door pins are in the correct position.

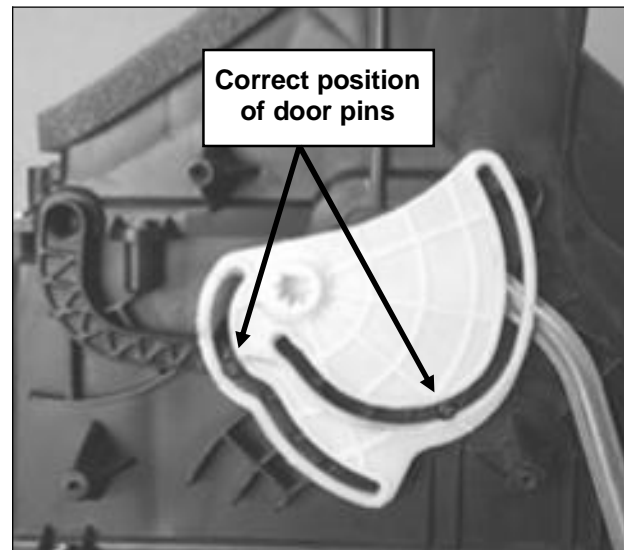


Figure 11

19. Place the washer and "push nut" (included with the kit) onto the right-side door pin, as shown in Figure 12).

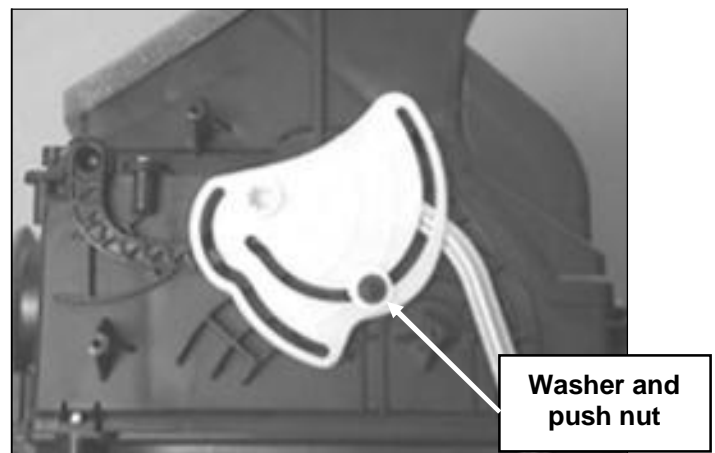


Figure 12

20. Re-install the link assembly cover.
21. Re-install the actuator.
22. Re-connect the wire harness to the actuator.
23. Re-connect the wire harnesses to the amplifier.
24. Re-install the audio amplifier.
25. Re-attach the gas pedal assembly.
26. Re-install the BCM.
27. Re-connect the negative battery terminal.
28. Turn the ignition key to "ON".
29. Use the HVAC controls to cycle through the face level, defrost, and floor modes of the HVAC system:
 - to make sure the actuator works and,
 - the doors are "engaged" and working properly.
30. Re-connect the wire harnesses to the BCM.
31. Re-install the instrument lower cover and the lower instrument panel.
32. Re-attach the driver's seat.
33. Reprogram radio presets.

RHEOLUBE 362HT

Product: 362HT

Revision Date: 2003/02/07

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Nye Lubricants, Inc.
12 Howland Road
Fairhaven, MA 02719 U.S.A.

Manufacturer emergency phone number: Chemtrec 800-424-9300.
508-996-6721 (8:00AM - 5:00PM ET weekdays).

Supplier: Same as manufacturer.

Product name: Rheolube 362HT.

Chemical family: Lubricating grease.

HMS

H 1

F 1

R 0

PPE Sec. 8

Section 2 : INGREDIENT INFORMATION

| C.A.S. | Concentration% wgt/wgt | Ingredient Name | OSHA-PEL TWA | OSHA-PEL STEL | ACGIH-TLV TWA | ACGIH-TLV STEL | NIOSH REL TWA | NIOSH REL STEL | NIOSH IDLH |
|--------|---------------------------|--------------------|-----------------|------------------|------------------|-------------------|------------------|-------------------|---------------|
| | | OIL MIST | 5 mg/m3 | Not available | 5 mg/m3 | Not available | 5 mg/m3 | 10 mg/m3 | 2500 mg/m3 |

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: Product formulation is Proprietary.
No ingredients are known to be hazardous under normal usage.

Section 3 : HAZARD IDENTIFICATION

Emergency overview: May irritate eyes. Prolonged or repeated skin contact may cause irritation. Inhalation of oil mist or vapors from material at high temperatures may irritate respiratory passages.

Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause irritation.

Skin contact: May cause irritation on prolonged or repeated contact.

Inhalation: Oil mist and vapors at high temperatures may irritate respiratory passages.

Ingestion: May cause gastro-intestinal irritation.

Effects of chronic exposure: See effects of acute exposure.

Carcinogenic effects: IARC, NTP, and OSHA do not list this product or its ingredients as carcinogens.

Section 4 : FIRST AID MEASURES

- Skin contact:** Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.
- Eye contact:** Flush with water for at least 15 minutes.
Obtain immediate medical attention.
- Inhalation:** Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.
If breathing is difficult, administer oxygen.
- Ingestion:** Obtain immediate medical attention.
Do not induce vomiting, unless directed to do so by a physician.

Section 5 : FIRE FIGHTING MEASURES

- Flammability:** Not flammable.
- Conditions of flammability:** At temperatures at or above flash point.
- Extinguishing media:** Carbon dioxide, dry chemical, foam.
Water spray.
- Special procedures:** Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Do not let firefighting water runoff enter a sewer.
- Auto-ignition temperature:** Not available.
- Flash point (°C), method:** Closed cup.
ASTM D-93.
>400°F (204°C).
- Lower flammability limit (% vol):** Not available.
- Upper flammability limit (% vol):** Not available.
- Explosion Data**
- Sensitivity to static discharge:** Not available.
- Sensitivity to mechanical impact:** Not available.
- Hazardous combustion products:** Carbon monoxide (CO).
Traces of other toxic fumes.
- Rate of burning:** Not available.
- Explosive power:** Not available.

Section 6 : ACCIDENTAL RELEASE MEASURES

- Leak/Spill:** Contain the spill.
Prevent entry into drains, sewers, and other waterways.
Area will be slippery until cleaned.
Wear appropriate protective equipment.
Wipe or scrape up spilled material.
Wash spill area after material pick up is complete.
Transfer to an approved container for disposal or recovery.
Observe precautions from other sections.

Section 7 : HANDLING AND STORAGE

- Handling procedures and equipment:** Wash thoroughly after using, particularly before eating or smoking.
Do not eat, drink or smoke in handling area.
Avoid contamination of cigarettes or other tobacco products.
Launder contaminated clothing prior to reuse.
Users should be alert to the possibility that very small percentages of the population may display unexpected allergic reactions to otherwise innocuous industrial lubricants and raw materials.
- Storage requirements:** Store away from incompatible materials.
Do not store in open or unlabelled containers.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Chemical resistant gloves.
Avoid skin contact.

Respiratory/Type: None required under normal use.



If exposure limit is exceeded, wear a NIOSH approved respirator.
Avoid breathing oil mist.

Eye/Type: Avoid eye contact.



Safety glasses, goggles or face shield.
In accordance with OSHA 29 CFR 1910.133.

Footwear/Type:



Safety shoes per local regulations.

Clothing/Type: Wear adequate protective clothes.



Apron

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Local ventilation is generally not necessary under normal conditions of use with adequate general ventilation. Ventilation and other forms of engineering controls are the preferred means for controlling chemical exposures.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Semi-solid.
- Appearance & odor:** Slight odour.
Smooth grease.
Light tan to light yellow.
- Odor threshold (ppm):** Not available.
- Vapour pressure (mmHg):** Negligible.
- Vapour density (air=1):** Not available.
- Volatiles (%):** None
- Evaporation rate (butyl acetate = 1):** Not available.
- Boiling point (°C):** Not volatile.
- Freezing point (°C):** (drop point).
210°C
- pH:** Not available.
- Specific gravity @ 20 °C:** (water = 1, @ 4°C).
0.83 @ 25°C
- Solubility in water (%):** Insoluble.
- Coefficient of water\oil dist.:** Not available.
- VOC:** None

Section 10 : STABILITY AND REACTIVITY

- Chemical stability:** Stable under normal conditions.
- Conditions of reactivity:** Pyrolysis.
- Hazardous polymerization:** Will not occur.
- Incompatible substances:** Strong oxidizing agents.
- Hazardous decomposition products:** See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

- Sensitization to product:** Not available.
- Reproductive effects:** Not available.
- Teratogenicity:** Not available.
- Mutagenicity:** Not available.
- Synergistic materials:** Not available.

Section 12 : ECOLOGICAL INFORMATION

- Environmental toxicity:** No data at this time.
- Environmental fate:** No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: Contact a licensed waste-disposal contractor for detailed recommendations. Many states classify waste lubricants as "hazardous", which means disposal can only be a licensed firm. Follow applicable Federal, provincial, and local regulations.

Section 14 : TRANSPORT INFORMATION

DOT:

Not regulated.



Special shipping information: Not regulated.

Section 15 : REGULATORY INFORMATION

USA Regulatory Information

SARA hazard categories sections Immediate (Acute) Health Hazard: No.
311/312: Delayed (Chronic) Health Hazard: No.
Fire Hazard: No.
Sudden Release of Pressure: No.
Reactive: No.

SARA Section 313: Not regulated.

TSCA inventory: All components of this product are listed on the TSCA inventory.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2003/02/07

Data prepared by: Conform-Action Data Systems
A division of 2843471 Canada inc.
1975 Hymus Blvd. suite 230
Dorval, QC H9P 1J8
Tel: (514) 683-2060 Fax: (514) 683-1445
24 hr. 1-800-990-5093 support@netmsds.com.

Disclaimer: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Nye Lubricants, Inc. makes no warranty with respect thereto and disclaims all liability with respect thereon.